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SDMS Doc ID 164919

ENVIRONMENTAL SITE ASSESSMENT

AND

SOIL ANALYSES REPORT

FOR THE PROPERTY
LOCATED AT
1845 EAST WILLOW STREET
SIGNAL HILL, CALIFORNIA

PREPARED FOR

DICO OIL COMPANY
P. O. BOX 7654
LONG BEACH, CALIFORNIA
(310) 427-6074

SEPTEMBER 30, 1994

POOR LEGIBILITY

ONE OR MORE PAGES IN THIS DOCUMENT ARE DIFFICULT TO READ
DUE TO THE QUALITY OF THE ORIGINAL

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1.0 EXECUTIVE SUMMARY

Dico Oil Company contracted with Geological Research to implement an investigative field program to evaluate the potential for subsurface contamination relating to six (6) above ground waste oil storage tanks located at their Signal Hill, California facility. The investigation included measures to complete eight (8) exploratory borings in locations designed to provide data representing in-situ conditions surrounding the existing storage tanks and the tank farm in general.

Historical information provided for the site indicated that some surface contamination extended downward to an elevation of approximately 3-feet below ground surface (bgs). Further sampling indicated little or no petroleum constituents at 6-feet bgs. Therefor, total maximum depth for each boring was designed to be approximately 9-feet bgs. Sample collection was designed to be at elevations of 3, 6, and 9-feet bgs. This would provide comparative analyses of previous sampling results of the 3 and 6-feet bgs elevations and would additionally provide data at 9-feet bgs elevation to better evaluate vertical involvement.

Results of laboratory analyses indicates that the only petroleum derived fuel detected during the investigation was diesel fuel. It appears topical and quickly diminishes at lower elevations.

Lead, chromium and the polychlorinated biphenyl Anachlor-1260, were detected at levels below cleanup criteria established by Title 22 of the California Code of Regulations (CCR). Similarly these compounds appear topical and quickly diminishes at lower elevations.

Volatile organic compounds of acetone, benzene, 2-butanone, ethylbenzene, tetrachloroethene, 1,1,1-trichloroethane, toluene and xylenes were detected in various samples at concentrations ranging from 5 to 7,500 µg/Kg. Concentrations also quickly diminishes at lower elevations and were only detected in three (3) borings below 6-feet bgs.

It is indicated that the large majority of contaminants detected during this investigation are located in shallow soil strata. Thus, impacted soil could be easily mitigated through surface excavation. Areas exhibiting contamination at relatively deeper elevations could then be identified, isolated, and individually excavated.

Presented in this Site Assessment Report are the field procedures and rationale implemented to evaluate the site and potential impact from the subject tanks. Pertinent supporting data, including field measurements and certified laboratory analyses are included for reference.

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2.O INTRODUCTION AND BACKGROUND

Presented in this Site Assessment Report are the procedures and rationale employed to investigate general subsurface soil conditions at the Dico Oil Facility located at 1845 Willow Street, in the city of Signal Hill, California. The location of the site is shown by Map A on the following page.

2.1 Site History and Description

The city of Signal Hill is situated in the southern most reaches of Los Angeles County. It is bordered on all sides by the city of Long Beach. Nearly all of the city lies within the Signal Hill Oil Field District. The Dico Oil facility operates on a 0.5-acre parcel of land in an area that is predominately utilized for commercial and oil field operations. However, there are two (2) residences adjoining the subject facility at its eastern boundary.

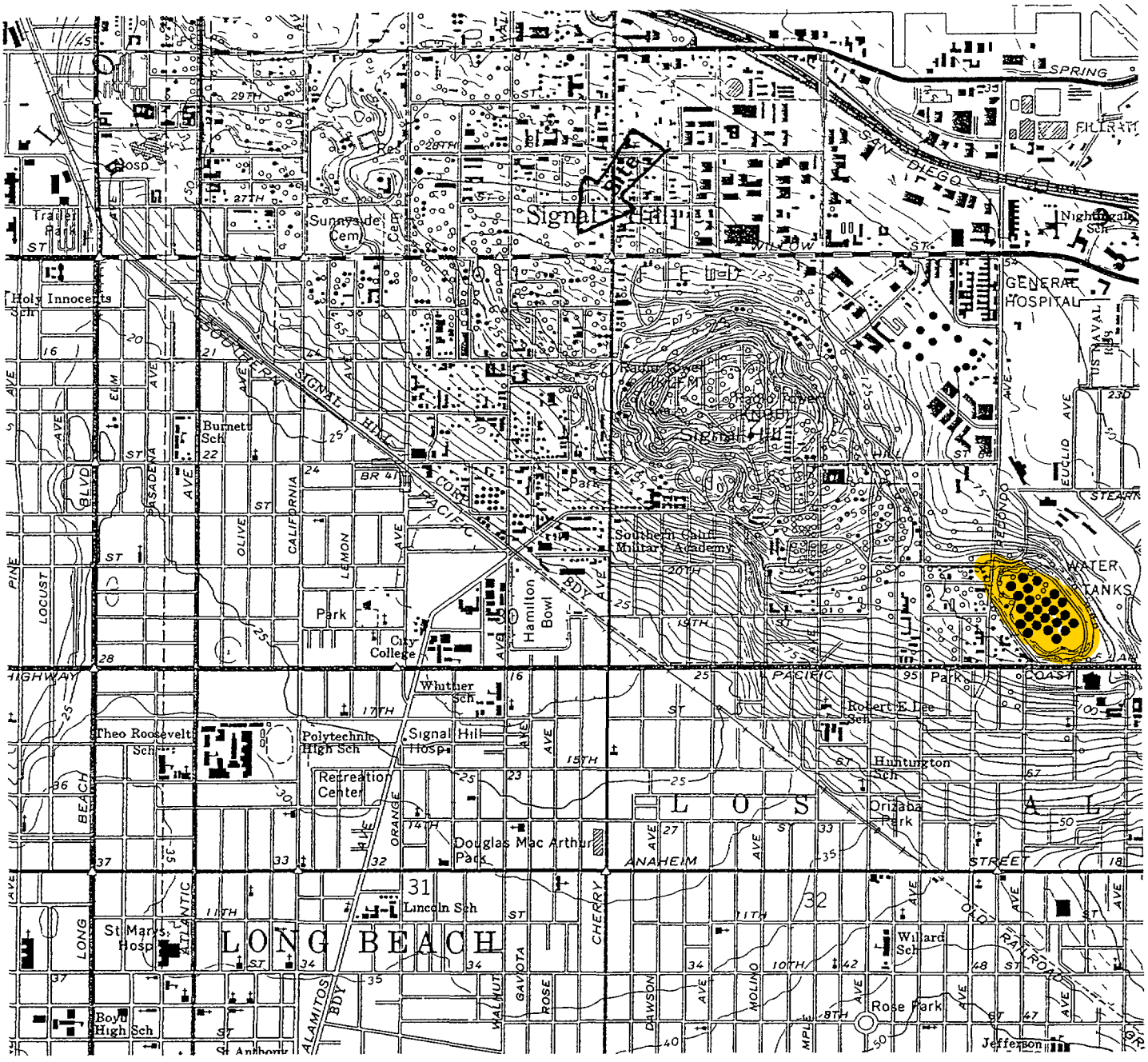
The facility was originally built as a petroleum storage and dehydration facility by TCL Corporation in 1952. It has been in continuous operation since its inception and has been operated by three (3) different companies: the TCL Corporation (1952 - 1958); the Western Oil Reduction Company (1958 - 1960); and finally the Dico Oil Company (1960 to present).

Dico Oil Company operates the facility by purchasing and blending various types of waste oils for resale. The facility has a history of handling crude oils; residual and cracked fuel oils; diesel fuels; jet fuels; asphalt emulsions; and waste or used oils. However, in recent years the predominant oil types that Dico receives are waste and used oil. The Dico facility purchases and resells approximately 2,000,000-gallons of waste oil per year. The facility includes six (6) above-ground steel, storage tanks of the following sizes:

Quantity	Size in Barrels	Size in Gallons
1	200	8,400
3	500	21,000
1	750	31,500
1	1,000	42,000

The storage tanks have been in continuous use since installation in 1952. Dehydration activities are no longer conducted at the facility. Rather, oils are analyzed on-site for approximate water content and must satisfy water content standards prior to off-loading. Oils of varying water and sediment content are then blended to achieve the most economical combinations for resale. Nothing is added or removed from the waste oil, it is simply blended. The recycled oil is then sold through brokers to the bunker oil market as ship fuel.

The entire area containing the tanks and related pumps and piping is surrounded by an earthen containment berm approximately 2 to 3-feet high. The berm is covered with plastic sheeting. Figure 2 on the following page shows an approximate site layout plan.



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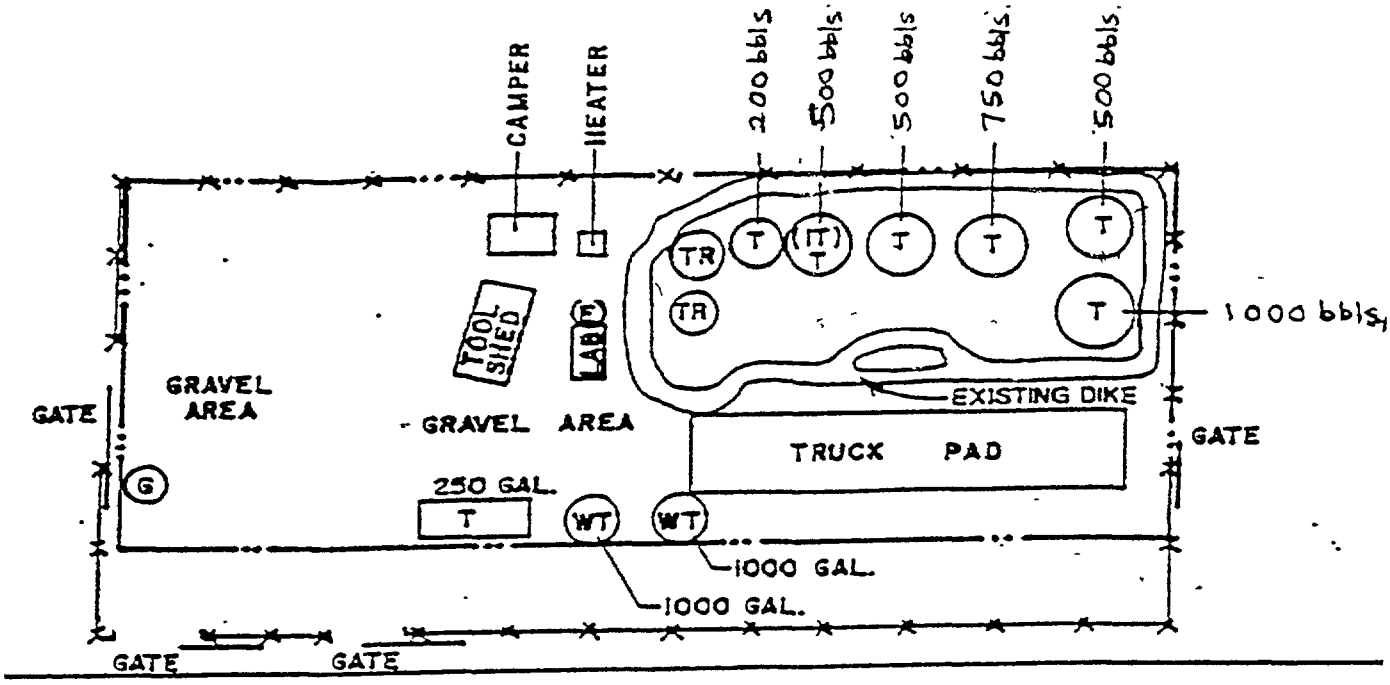
MAP A

SCALE: 1inch = 2000feet

0 2000 4000

N

SITE LOCATION



——×——×——×——	6' Chain Link Fence
(E)	Electrical Connection/Shutoff
(G)	Gas Connection, Shutoff
◯	Above Ground Tank (solid line)
GAL.	Capacity in gallons
T	Waste Stored
(IT)	Insulated Tank
WT	Water Tank
TR	Empty Tanks Removed From Site

N

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FIGURE 2

SCALE: Not To Scale

SITE PLAN

2.2 Results of Previous Investigations

Previous studies completed for the site (Ecology and Environment, Inc. 1990) indicated that two (2), 10,500-gallon underground storage tanks used for water collected during dehydration operations were excavated and removed from the site in 1987. Reports indicate that the soil was impacted with petroleum hydrocarbons beneath the tanks at a level of 945.3 mg/Kg. Dico removed an additional 4-feet of soil from the tank excavation and stockpiled it on-site. The resultant excavation was reportedly backfilled to grade with clean fill material imported to the site.

Reports indicate that the stockpiled soil was utilized in 1989 to increase the berm height. Testing of soil placed onto the berm indicated elevated levels of Petroleum Hydrocarbons (44,000 mg/Kg), Lead (340 mg/Kg) and Chromium (37 mg/Kg).

Reported testing of stored waste oil at the facility (Ecology and Environment, Inc. 1990) also indicated elevated levels of Lead and Polychlorinated Biphenyls (PCB's).

3.0 SITE GEOLOGY AND HYDROGEOLOGY

3.1 Site Geology

The site is located at approximately 125-feet above mean sea level (AMSL) on the Western portion of the Downey Plain Physiographic Unit of the Los Angeles Coastal Basin. This region occupies the Northwest corner of the Peninsular Range Geomorphic Province. The plain is part of a deep northwest trending incline about 20-miles in width. The synclinal structure is bounded to the northeast by the Puente Hills and the Whittier Fault Zone. The southwestern boundary is created by the Newport-Inglewood Alignment of Faults and Folds.

The Downey Plain was created through alluvial deposits coalesced by the Los Angeles, Rio Hondo and San Gabriel River systems. It is part of the Pleistocene Lakewood Formation, a structure created 2 million years ago during the Pleistocene Epoch of the Quaternary Period. The Lakewood Formation deposits are composed of interbedded clay, silt, sand and gravel. It includes terrace deposits and upper Pleistocene alluvial deposits. The Lakewood Formation has a base elevation of 100 feet below mean sea level and is approximately 200 feet thick below the subject property.

The Long Beach 7½-minute quadrangle map (U.S. Geological Survey, 1981) shows a topographic grade across the site at a ratio of approximately 1:40. Drainage for the property is north towards 27th Street and then east towards Cherry Avenue storm drains.

3.2 Site Hydrogeology

The Dico facility is situated on the southern reaches of the Central Water Basin. The southern boundary of the Central Water Basin is delineated by the Newport-Inglewood Fault Zone. Beneath the site, the Bellflower aquiclude and the Gage aquifer occur in the Lakewood Formation. The Bellflower aquiclude occurs at the ground surface and extends downward beneath the site to 105-feet where it meets the Gage Aquifer. This zone contains primarily clay, silt and sandy silt.

The Gage Aquifer extends from 105-feet to approximately 175-feet and is composed of fine grained sand and silty sand. If follows a fairly uniform strata approximately 50 feet thick. The Gage Aquifer marks the lower most limits of the Lakewood Formation. Underlying the Lakewood Formation is the San Pedro Formation of the Lower Pleistocene Age. Contained within the San Pedro Formation are the Hollydale, Jefferson, Lynwood, Silverado and Sunnyside aquifers.

Beneath the site the Gage aquifer interconnects with the Hollydale, Jefferson, and Lynwood aquifers. These aquifers extend from 175-feet to approximately 300-feet. They are comprised primarily of sand and gravel with some areas of silt and clay. The Silverado aquifer extends from approximately 400 to 600-feet. The Sunnyside aquifer extends approximately from 650 to

950-feet.

The Newport Inglewood Fault splits these aquifers near this region and creates a separation of the West Coast Water Basin from the Central Water Basin. Some studies indicate that this fault creates a groundwater barrier in the Lower Pleistocene Age Formation (Lynwood and Silverado Aquifers). This barrier effect is not believed to occur in the Lakewood Formation (Bellflower Aquiclude and Gage Aquifer).

The flow of groundwater in the general area is reported to be in a Southwesterly direction. However, some indications suggests that the Newport-Inglewood Fault Zone may act somewhat as a barrier and could greatly influence actual flow direction. Various perched aquifers may occur in upper alluvial deposits below The Signal Hill Mound. However, they are reported to be isolated and no information regarding perched zones is available for the subject area.

The nearest drinking water well is located approximately 1-mile due east of the Dico Facility. The well is identified as Citizen 7A Well and is owned by the Long Beach Water District (LBWD). According to LBWD, the well is perforated starting at 300-feet and extends to 898-feet. Thus it appears that this well draws water from the Lynwood, Silverado, and Sunnyside aquifers. LBWD blends 45% ground water and 55% water from the Metropolitan Water District for distribution for potable and commercial needs.

The subject site is situated approximately 2-miles west of the Los Angeles River and 3-miles north of the Pacific Ocean. There are no other known water courses or channels located in the immediate area. The site is not located within any documented flood plain.

4.0 FIELD ACTIVITIES

The general objective of the investigation was to implement an investigative field program to evaluate the potential for subsurface contamination relating to the subject waste oil storage tanks at the site. The investigation included measures to complete eight (8) exploratory borings with representative soil sample collection, laboratory analyses, and Preparation of Site Investigation Report.

4.1 Pre-Drilling Activities and Permitting

Prior to commencement of field activities, Geological Research cleared boring locations of subsurface obstructions through use of a utility locating service. Local offices of the DIG-ALERT information network were also notified of the pending drilling and asked for assistance with utility locations. DIG-ALERT project #739620 was assigned to the site.

A site-specific Health and Safety Plan relating to pertinent field precautions and emergency course-of-action was prepared and submitted to each staff member and subcontractor engaged in field activities. Each individual reviewing this document was asked to acknowledge their understanding of the procedures by signing and dating the master copy. This document will remain in Geological Research files for any future reference.

4.2 Rationale for Sampling Locations and Depth

Eight (8) exploratory borings were drilled in locations designed to provide data representing in-situ conditions surrounding the existing storage tanks. This included locations away from the subject tanks in areas approximately 3-feet lower in elevation than the tank grade. Historical information provided for the site indicated surface contamination at the site extended downward to an elevation of approximately 3-feet below ground surface (bgs). Further sampling indicated little or no petroleum constituents at 6-feet bgs. Therefor, total maximum depth for each boring was designed to be approximately 9-feet bgs. Sample collection was designed to be at elevations of 3, 6, and 9-feet bgs. This would provide comparative analyses of previous sampling results of the 3 and 6-feet bgs elevations and would additionally provide data at 9-feet bgs elevation to better evaluate vertical involvement. Approximate locations of the borings are shown in Figure 3 on the following page.

4.3 Drilling and Soil Sampling Protocol

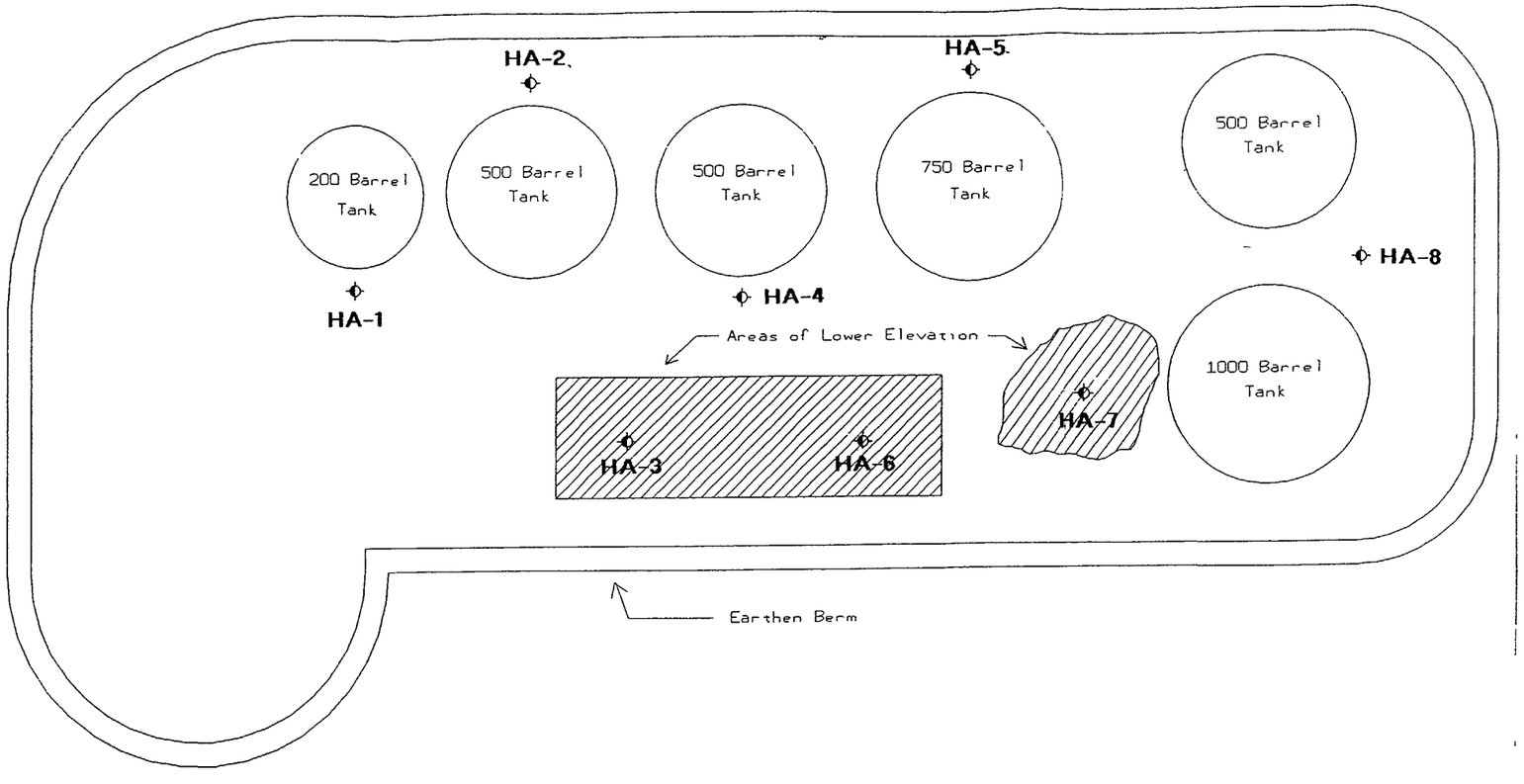
The eight (8) exploratory borings were completed by using conventional hand-auger equipment on September 20 and 21, 1994. Soil samples were collected by means of a slidehammer-equipped sampling probe fitted with a 2" X 6" brass sample collection sleeve. Soils encountered throughout drilling activities were logged in the field under the supervision of a California State

HA-# = SOIL BORING LOCATION

SCALE: 1inch = 25feet

0 25 50

N



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LOCATIONS OF SOIL BORINGS

DICO OIL COMPANY
1845 EAST WILLOW STREET
SIGNAL HILL, CALIFORNIA

FIGURE 3

Registered Geologist and categorized in accordance with Unified Soil Classification System (USCS) guidelines.

In addition to laboratory submittal requirements, collected soil samples were utilized to examine subsurface geology and to field screen for volatile organic compound levels. The contents of each sample sleeve were visually inspected to detect any gross contamination. Portions of soil cuttings retrieved from each depth were placed into sealed plastic bags for organic vapor screening utilizing an Environmental Instruments Model #510-D Photoionization Detector (PID). Pertinent field observations and measurements were recorded on field boring logs for each individual boring completed throughout drilling activities. Elements recorded included:

- Time the soil sample was taken
- Sample depth interval
- TOV measurements taken on sample
- Sample description and USCS classification
- Any other relevant observations

Samples for laboratory analyses were selected based on field observations including visual inspection and field screening measurements. Sleeves containing samples selected for laboratory analyses were sealed with teflon tape, fitted with air-tight end caps, secured with non-adhesive tape, labeled and stored on "blue-ice" awaiting transfer to the contract laboratory.

Soils encountered were typically unconsolidated fill and gravel near the surface and fine sandy silt occurring below approximately 1-foot bgs. Following completion of the borings and sample retrieval, each bore hole was backfilled with environmentally approved bentonite pellets and hydrated per manufactures recommendations. Soil cuttings generated during field activities were placed into DOT-approved 55-gallon drums, sealed and labeled. These soil cuttings will remain on-site until final laboratory analyses and soil characterization has been completed to confirm proper disposal methods.

4.4 Quality Assurance/Quality Control

Quality Assurance/Quality Control (QA/QC) procedures encompass the collection and preservation of samples as well as decontamination of sampling equipment. Sampling equipment was decontaminated using the following procedures:

- A decontamination station was set up in a secure area of the site located near a water supply. Plastic sheeting was placed on the ground surface under the wash basins.

- Step 1 - Each item thoroughly rinsed in tap water and scrub with stiff brush to remove lose soil.

- Step 2 - Each item thoroughly re-rinsed in tap water.

- Step 3 - Each item thoroughly washed in a solution of tap water and Alconox detergent utilizing brushes to wash the outside and inside of the auger and soil sampler.

- Step 4 - Each item thoroughly rinsed in tap water.

- Step 5 - Each item rinsed in purified distilled water.

- Step 6 - Each item re-rinsed in purified deionized water.

- Step 7 - All items allowed to air-dry.

At the conclusion of each workday, all decontamination solutions were transferred into DOT-approved 55-gallon drums, labeled and stored on-site. Disposal of investigation-derived waste water will be dependent on final laboratory analyses.

The management of samples collected in the field follow specific procedures to ensure sample integrity. The possession of samples is traceable from the time they are collected to the time they are analyzed at the contract laboratory by means of Chain-of-Custody documentation.

Chain-of-custody of a sample is defined by the following criteria:

- The sample is in a person's possession or in his view after being in his possession.

- The sample was in a person's possession and was locked up or transferred to a designated secure area by him.

Each time the sample sleeves or containers changed hands, both the sender and receiver signed and dated the chain-of-custody form and specified what item(s) have changed hands. When a sample shipment was sent to the laboratory, the top signature copy was enclosed in plastic with the sample documentation and secured to the inside of the cooler lid. The second copy of the chain-of-custody form was retained in the project files. A chain-of-custody record was completed for each shipping container.

The following information was included in the chain-of-custody form.

- Sample number
- Signature of sampler
- Date and time of collection
- Place of collection
- Type of sample
- Number and type of container
- Inclusive dates of possession

- Signature of receiver

Copies of Chain-of-Custody documents and laboratory QA/QC information are contained with copies of laboratory analyses results in the Appendix.

5.0 LABORATORY ANALYSES

Soil samples collected during the investigation were submitted to Core Laboratory in Anaheim, California for analyses. Core Laboratories is a California State Accredited Laboratory with specific environmental analyses expertise.

5.1 Rationale for Sample Analyses Methods

Site history indicates that the existing above ground storage tanks were utilized to contain crude oils, residual fuel oils, cracked fuel oils, diesel fuels, jet fuels, asphalt emulsions, waste oil and used oils. Additionally, previous investigations conducted at the facility indicate the presence of toxic metals and Polychlorinated Biphenyls. Therefor, it was determined that samples would be analyzed utilizing the following methodology:

- EPA Method 8015 for Fuel Hydrocarbon Characterization
- EPA Method 6010 for total arsenic, cadmium, chromium, and lead
- EPA Method 8080 for polychlorinated biphenyls (PCB's)
- EPA Method 8240 for Volatile Organic Compounds

The selected EPA Method 8015 specifically address the presence of petroleum hydrocarbon based fuels. EPA Method 6010 will identify the toxic metal content associated with petroleum products. The possible presence of PCB's will be adequately addressed by EPA Method 8080. A wide range of volatile organic solvents that may be present through associated use with oil cleanup activities will be appropriately addressed by EPA 8240.

The potential for the presence of other compounds has not been established for the site. Nor does encroachment or migration of compounds from adjoining areas seem plausible. Therefore, testing for analytes other than those presented is not warranted at this time.

5.2 Sample Analyses Results

The only petroleum derived fuel detected during the investigation was diesel fuel in concentrations ranging to 10,000 mg/Kg at 3-feet bgs. It however quickly diminishes at lower elevations and was only detected in boring HA-5 below 6-feet bgs.

Lead was detected in a single sample of 5.7 mg/Kg at 6-feet bgs in boring HA-1. Chromium was detected at various elevations in four (4) borings (HA-2, 5, 7, and 8) at concentrations ranging from 5.2 to 7.9 mg/Kg.

The polychlorinated biphenyl Anachlor-1260 was detected in borings HA-1, 2, 3, 5, and 8 in concentrations ranging from 44 to 4,500 µg/Kg.

Volatile organic compounds of acetone, benzene, 2-butanone, ethylbenzene, tetrachloroethene, 1,1,1-trichloroethane, toluene and xylenes were detected in various samples at concentrations ranging from 5 to 7,500 µg/Kg. They however quickly diminishes at lower elevations and were only detected in borings HA-1, 5 and 8 below 6-feet bgs.

Tables 1 on the following page summarizes the results of soil samples. Copies of certified laboratory results are contained in the appendix for reference.

TABLE 1
SUMMARY OF LABORATORY RESULTS

	HA-1			HA-2			HA-3			HA-4		
	3-ft bgs	6-ft bgs	9-ft bgs	3-ft bgs	6-ft bgs	9-ft bgs	3-ft bgs	6-ft bgs	9-ft bgs	3-ft bgs	6-ft bgs	9-ft bgs
TPH EPA METHOD 8015 (mg/Kg)												
Diesel		12		160			100			1100	11	
METALS EPA 6010 (mg/Kg)												
Chromium						8 9						
Lead		5 7										
PCB'S EPA 8080 (ug/Kg)												
Aroclor-1260		51	66	250	89		44					
VOLATILES EPA 8240 (ug/Kg)												
Acetone					18					98	33	
Benzene	33											
2-Butanone										51		
Ethylbenzene										570	33	
Tetrachloroethene					5					110	8	
1,1,1-Trichloroethane										52		
Toluene	230	11	24		6					1400	69	
Total Xylenes	7500	33	100		17					2900	250	

	HA-5			HA-6			HA-7			HA-8		
	3-ft bgs	6-ft bgs	9-ft bgs	3-ft bgs	6-ft bgs	9-ft bgs	3-ft bgs	6-ft bgs	9-ft bgs	3-ft bgs	6-ft bgs	9-ft bgs
TPH EPA METHOD 8015 (mg/Kg)												
Diesel	10000	1300	790								1800	
METALS EPA 6010 (mg/Kg)												
Chromium			5 2				7 5				5 4	
Lead												
PCB'S EPA 8080 (ug/Kg)												
Aroclor-1269	1500	200								4500	410	2600
VOLATILES EPA 8240 (ug/Kg)												
Acetone	220	260	98									95
Benzene	48											
2-Butanone												
Ethylbenzene												
Tetrachloroethene										190		
1,1,1-Trichloroethane												
Toluene		56								230		
Total Xylenes		350								1100	150	67

6.0 CONCLUSIONS AND RECOMMENDATIONS

Results of laboratory analyses indicates that the only petroleum derived fuel detected during the investigation was diesel fuel. It however appears topical and quickly diminishes at lower elevations with a single detection in boring HA-5 below 6-feet bgs at 790 ppm. Thus it appears to be localized and could be easily mitigated through surface excavation.

The detection of lead and chromium are at levels below cleanup criteria established by Title 22 of the California Code of Regulations (CCR). It should therefor pose little risk with a majority of this material removed in a surface excavation.

The polychlorinated biphenyl Anachlor-1260 was detected in only two samples (2) samples below 6-feet bgs (borings HA-1 and HA-8). It however is below cleanup levels of 5-ppm as established by Title 22 CCR for all samples. It therefor should pose little risk with a majority of the material removed during a surface excavation.

Volatile organic compounds of acetone, benzene, 2-butanone, ethylbenzene, tetrachloroethene, 1,1,1-trichloroethane, toluene and xylenes were detected in various samples at concentrations ranging from 5 to 7,500 µg/Kg. Concentrations however quickly diminishes at lower elevations and were only detected in borings HA-1, 5 and 8 below 6-feet bgs. The majority of these compounds would also be largely mitigated during a surface excavation. "Hot-Spots" at deeper elevations could then be isolated and excavated to clean soil margins.

It is indicated that the large majority of contaminants detected during this investigation are located in shallow soil strata. Thus, impacted soil could be easily mitigated through surface excavation. Areas exhibiting contamination at relatively deeper elevations could then be identified and individually excavated. If such mitigative excavation activities are undertaken, design and planning efforts must be initiated to employ methodology to safeguard the surrounding environment. This should include measures for worker protection, vapor suppression, dust suppression and efficient disposal methods.

It is possible that variations in soil conditions could exist beyond the points explored in this and previous investigations. Additionally, unpermitted, undocumented, concealed appurtenance upon the property could exist beyond the scope addressed during the course of this investigation. Also, changes in the conditions found and reported herein could occur due to variations in rainfall, temperature or other factors. Results and opinions presented herein do not apply to any area or apparatus other than the completed boring locations.

This Environmental Site Assessment was performed in accordance with generally and currently accepted engineering practices and principles. The conclusions made in this report are based on and in accordance with information obtained from visual observations made throughout the investigation process, laboratory analyses, and information obtained from Federal, State, regional and local agencies. Although **Geological Research** believes that the information contained herein is reliable, no guarantee is made as to the accuracy of the information provided to **Geological**

Research by others. This report was prepared for the sole use of **Dico Oil Company**.

Although **Geological Research** consents to the release of this report to third parties at the discretion of **Dico Oil Company, Geological Research** makes no warranty of any kind to third parties and cannot be held liable for any reliance by third parties upon the information contained herein. No other warranty is expressed or implied.

7.0 REFERENCES

California Department of Health Services (DHS), January 1989: **Revised Expenditure Plan for the Hazardous Substances Clean Up Bond Act of 1984**.

DHS, December 1988(a): **Revised Expenditure Plan for the Hazardous Substances Clean Up Bond Act of 1984**.

DHS, February 1988(b): **Revised Expenditure Plan for the Hazardous Substances Clean Up Bond Act of 1984**.

California State Water Resources Control Board (WRCB), June 1989: **Solid Waste Assessment Test (SWAT) Program, Ranked Solid Waste Disposal Site List**.

State of California, Health and Welfare Agency, Department of Health Services: **Site Mitigation Manual, December 29, 1986**.

United States Geological Survey, 1991: **Ground Water Hydrology, Water Supply Paper-2220**. United States Government Printing Office.

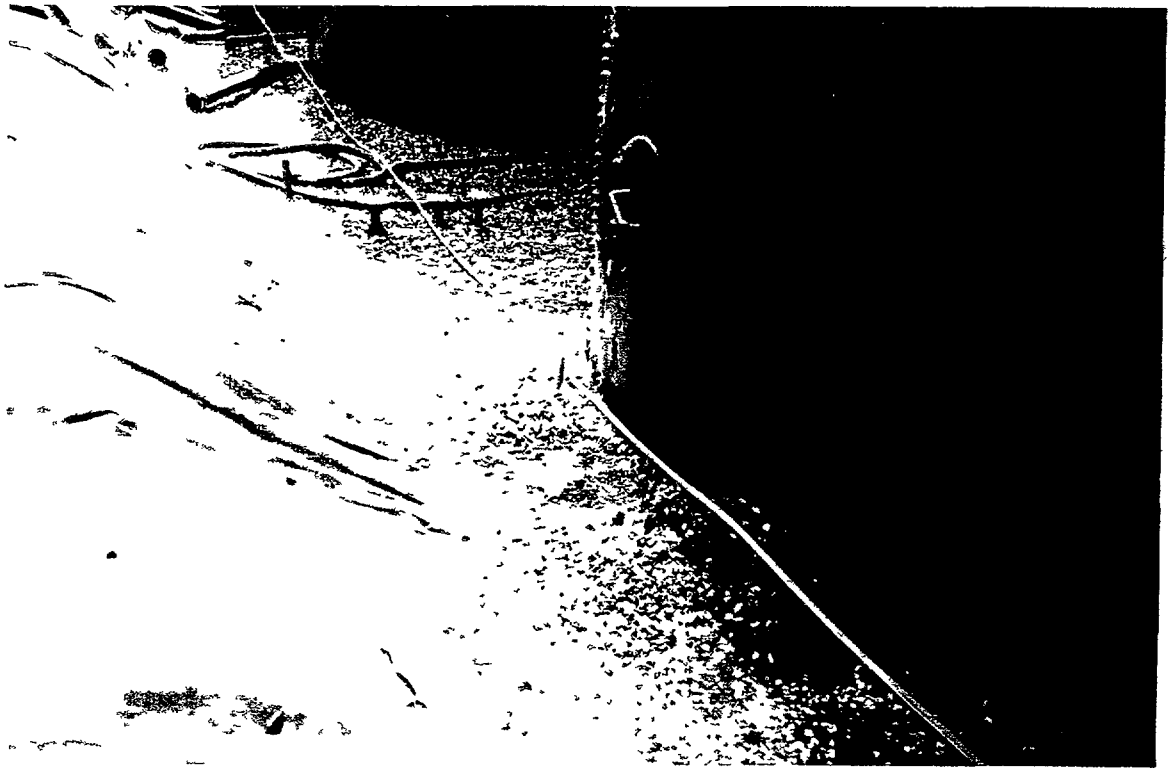
U.S. Geological Survey, 1981. Long Beach, California. Quadrangle, 1:24,000.

Ecology and Environment, Inc: **CERCLIS Screening Site Inspection Report for USEPA Region 9** March 16 1990.

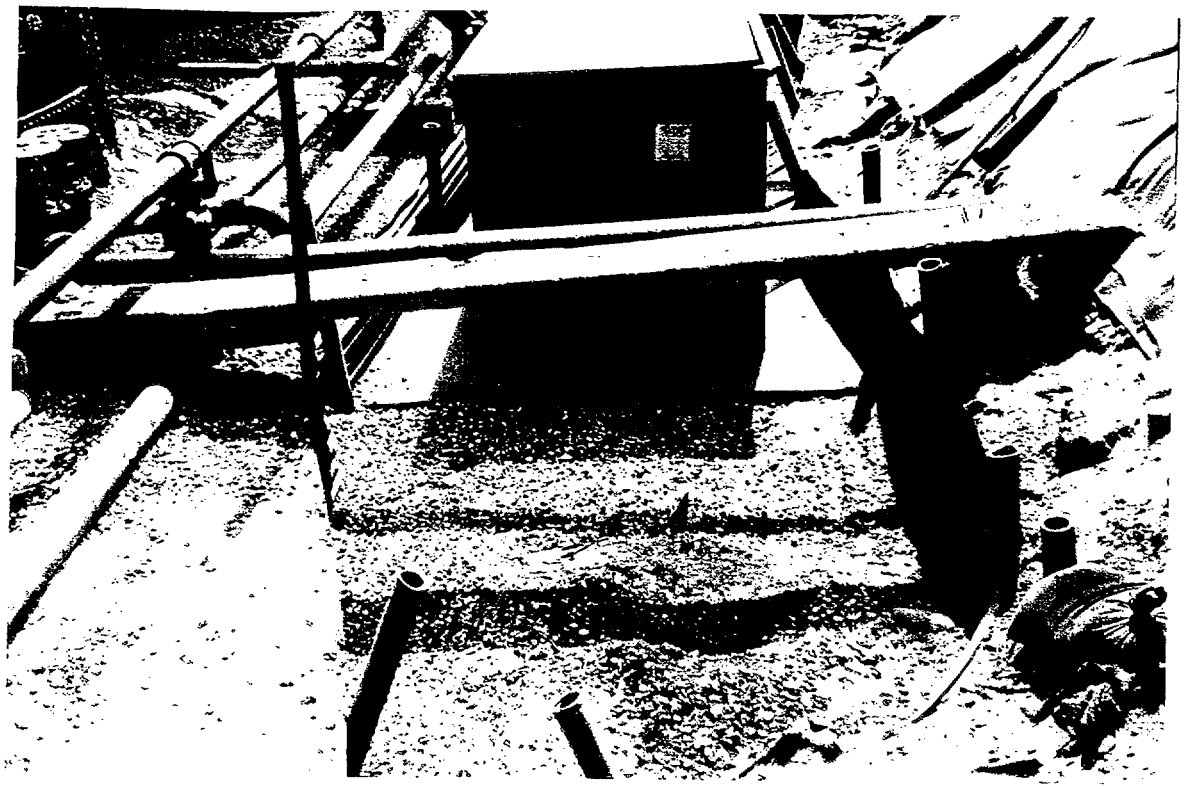
View of East Portion of the Tank Farm
Looking Towards the South

View of West Portion of the Tank Farm
Looking towards the South

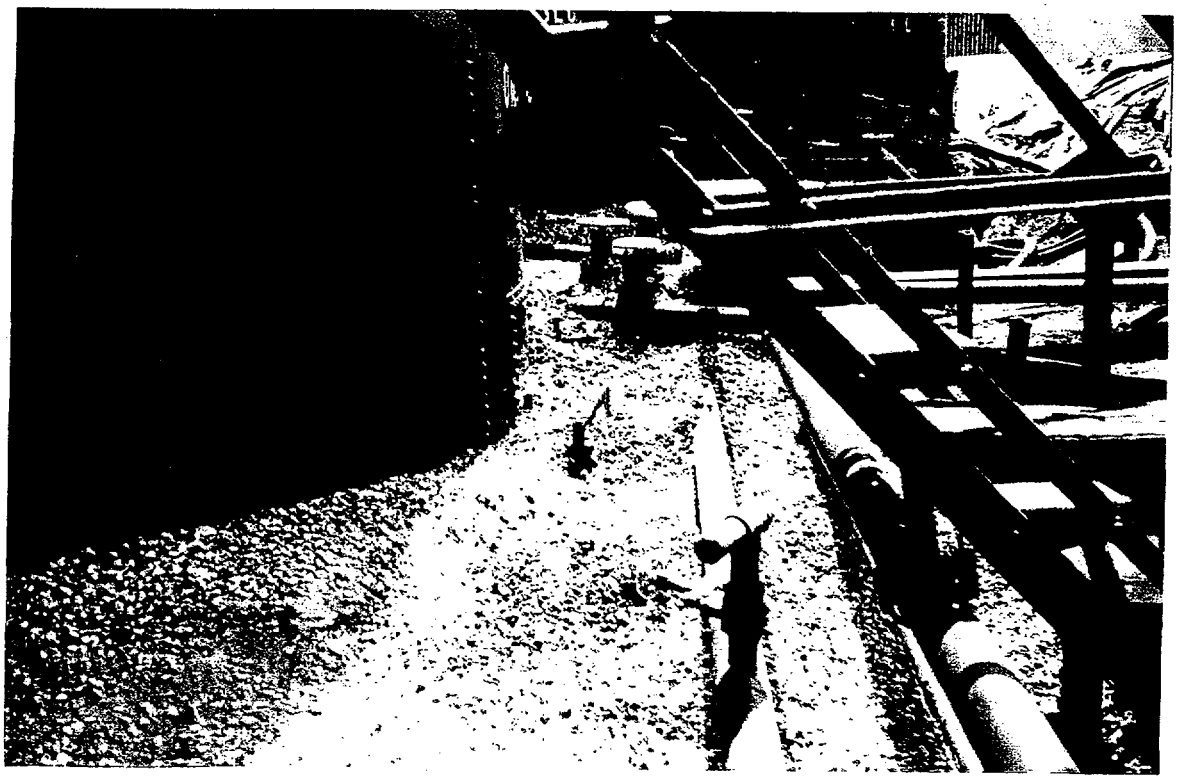
View of Boring HA-1 Location



View of Boring HA-2 Location

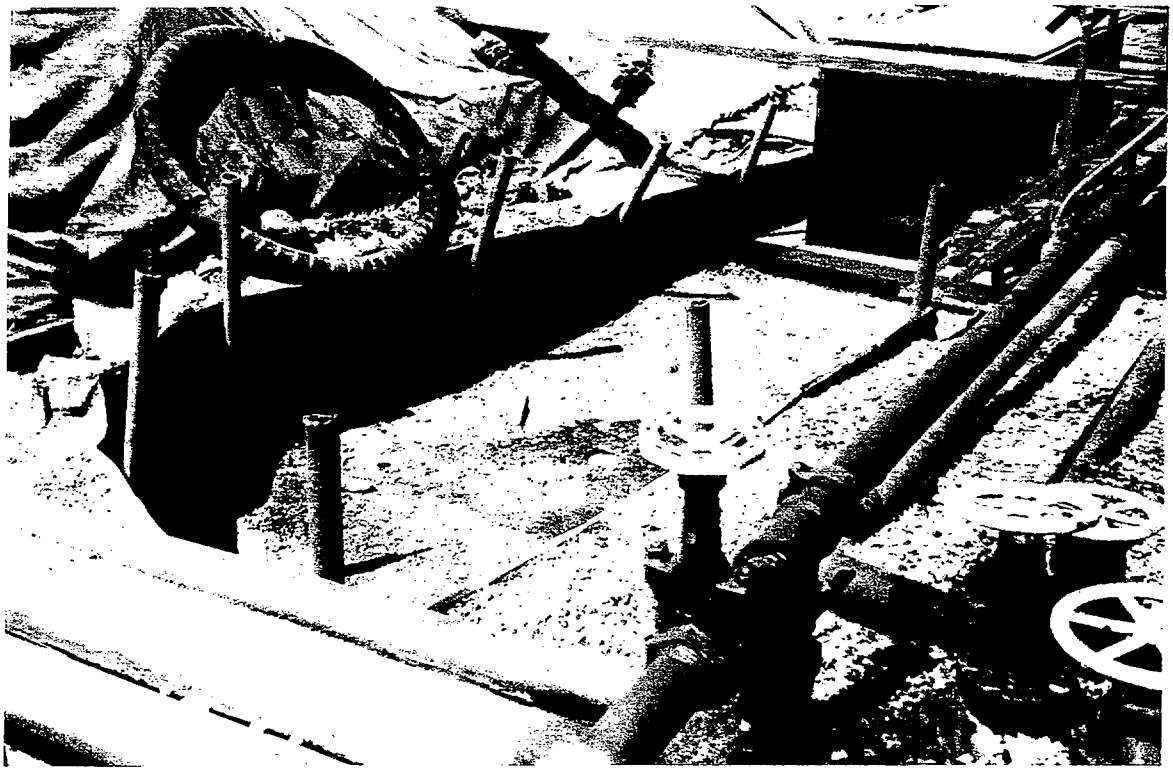


View of Boring HA-3 Location



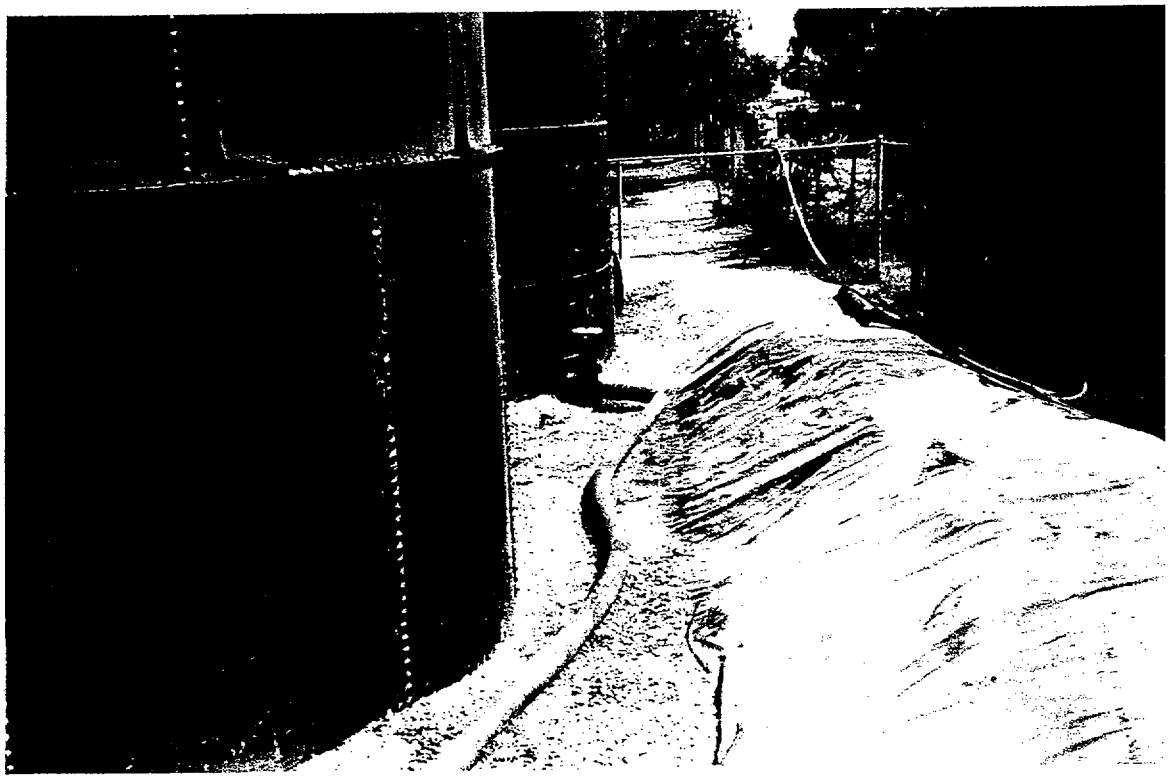
View of Boring HA-4 Location

View of Boring HA-5 Location



View of Boring HA-6 Location

View of Boring HA-7 Location



View of Boring HA-8 Location

Exhibit 2

Laboratory Analyses Results

WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS

09/23/94

JOB NUMBER:: 942323 CUSTOMER: DYCO OIL Co./Advanced Resources ATTN: Del Parker

CLIENT I.D.....:
DATE SAMPLED.....: 09/20/94
TIME SAMPLED.....: 12:35
WORK DESCRIPTION...: HA-1-3'

LABORATORY I.D....: 942323-0001
DATE RECEIVED.....: 09/21/94
TIME RECEIVED.....: 12:35
REMARKS.....: 1 brssly-soil

TEST DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Acid Digestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
Sonication Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
Volatile Organics by GC/MS		*5		EPA 8240	09/22/94	CIS
Acetone	ND	50	ug/kg	EPA 8240		
Benzene	33	25	ug/kg	EPA 8240		
Bromodichloromethane	ND	25	ug/kg	EPA 8240		
Bromoform	ND	25	ug/kg	EPA 8240		
Bromomethane	ND	50	ug/kg	EPA 8240		
2-Butanone	ND	50	ug/kg	EPA 8240		
Carbon disulfide	ND	25	ug/kg	EPA 8240		
Carbon tetrachloride	ND	25	ug/kg	EPA 8240		
Chlorobenzene	ND	25	ug/kg	EPA 8240		
Chlorodibromomethane	ND	25	ug/kg	EPA 8240		
Chloroethane	ND	50	ug/kg	EPA 8240		
2-Chloroethylvinyl ether	ND	50	ug/kg	EPA 8240		
Chloroform	ND	25	ug/kg	EPA 8240		
Chloromethane	ND	50	ug/kg	EPA 8240		
1,1-Dichloroethane	ND	25	ug/kg	EPA 8240		
1,2-Dichloroethane	ND	25	ug/kg	EPA 8240		
1,1-Dichloroethene	ND	25	ug/kg	EPA 8240		
Total 1,2-Dichloroethenes	ND	25	ug/kg	EPA 8240		
1,2-Dichloropropane	ND	25	ug/kg	EPA 8240		
cis-1,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
trans-1,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
Ethylbenzene	ND	25	ug/kg	EPA 8240		
2-Hexanone	ND	50	ug/kg	EPA 8240		
Methylene Chloride	ND	25	ug/kg	EPA 8240		
4-Methyl-2-pentanone	ND	50	ug/kg	EPA 8240		
Styrene	ND	25	ug/kg	EPA 8240		
1,1,2,2-Tetrachloroethane	ND	25	ug/kg	EPA 8240		
Tetrachloroethene	ND	25	ug/kg	EPA 8240		
1,1,1-Trichloroethane	ND	25	ug/kg	EPA 8240		
1,1,2-Trichloroethane	ND	25	ug/kg	EPA 8240		
Trichloroethene	ND	25	ug/kg	EPA 8240		
Toluene	230	25	ug/kg	EPA 8240		
Vinyl acetate	ND	50	ug/kg	EPA 8240		
Vinyl chloride	ND	50	ug/kg	EPA 8240		
Total Xylenes	7500	25	ug/kg	EPA 8240		
d4-Dichloroethane (SURROGATE)	102	0	% Recovery	70-121% QC LIMITS		
d8-Toluene (SURROGATE)	115(a)	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	190(a)	0	% Recovery	74-121% QC LIMITS		

1250 Gene Autry Way
Anaheim, CA 92805
(714) 937-1094

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS
09/23/94

NBER: 942323 CUSTOMER: Oxco Oil Co.//Advanced Resources ATTN: Del Parker

I.D.....:
AMPLED.....: 09/20/94
AMPLED.....: 12:35
ESCRIPTION...: HA-1-3'

LABORATORY I.D...: 942323-0001
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

ESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECH
Petroleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
esel	ND	50	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
senic (As)	ND	30.0	mg/kg	EPA 6010		
dmium (Cd)	ND	5.00	mg/kg	EPA 6010		
romium (Cr)	ND	5.00	mg/kg	EPA 6010		
ad (Pb)	ND	5.00	mg/kg	EPA 6010		
Hydrocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
lorinated Biphenyls		*20		EPA 8080	09/22/94	CIS
oclor-1016	ND	660	ug/kg	EPA 8080		
oclor-1221	ND	660	ug/kg	EPA 8080		
oclor-1232	ND	660	ug/kg	EPA 8080		
oclor-1242	ND	660	ug/kg	EPA 8080		
oclor-1248	ND	660	ug/kg	EPA 8080		
oclor-1254	ND	660	ug/kg	EPA 8080		
oclor-1260	ND	660	ug/kg	EPA 8080		
trachloro-m-xylene (SURROGATE)	83	0	% Recovery	QC LIMITS 40-130		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS
09/23/94

JOB NUMBER: 942323 CUSTOMER: DICO OIL Co.// Advanced Resources ATTN: Del Parker

CLIENT I.D.....:
DATE SAMPLED.....: 09/20/94
TIME SAMPLED.....: 13:00
WORK DESCRIPTION...: HA-1-6'

LABORATORY I.D...: 942323-0002
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

TEST DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Acid Digestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
Sonication Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
Volatile Organics by GC/MS		*1		EPA 8240	09/22/94	CIS
Acetone	ND	10	ug/kg	EPA 8240		
Benzene	ND	5	ug/kg	EPA 8240		
Bromodichloromethane	ND	5	ug/kg	EPA 8240		
Bromoform	ND	5	ug/kg	EPA 8240		
Bromomethane	ND	10	ug/kg	EPA 8240		
2-Butanone	ND	10	ug/kg	EPA 8240		
Carbon disulfide	ND	5	ug/kg	EPA 8240		
Carbon tetrachloride	ND	5	ug/kg	EPA 8240		
Chlorobenzene	ND	5	ug/kg	EPA 8240		
Chlorodibromomethane	ND	5	ug/kg	EPA 8240		
Chloroethane	ND	10	ug/kg	EPA 8240		
2-Chloroethylvinyl ether	ND	10	ug/kg	EPA 8240		
Chloroform	ND	5	ug/kg	EPA 8240		
Chloromethane	ND	10	ug/kg	EPA 8240		
1,1-Dichloroethane	ND	5	ug/kg	EPA 8240		
1,2-Dichloroethane	ND	5	ug/kg	EPA 8240		
1,1-Dichloroethene	ND	5	ug/kg	EPA 8240		
Total 1,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
1,2-Dichloropropane	ND	5	ug/kg	EPA 8240		
cis-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
trans-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
Ethylbenzene	ND	5	ug/kg	EPA 8240		
2-Hexanone	ND	10	ug/kg	EPA 8240		
Methylene Chloride	ND	5	ug/kg	EPA 8240		
4-Methyl-2-pentanone	ND	10	ug/kg	EPA 8240		
Styrene	ND	5	ug/kg	EPA 8240		
1,1,2,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
Tetrachloroethene	ND	5	ug/kg	EPA 8240		
1,1,1-Trichloroethane	ND	5	ug/kg	EPA 8240		
1,1,2-Trichloroethane	ND	5	ug/kg	EPA 8240		
Trichloroethene	ND	5	ug/kg	EPA 8240		
Toluene	11	5	ug/kg	EPA 8240		
Vinyl acetate	ND	10	ug/kg	EPA 8240		
Vinyl chloride	ND	10	ug/kg	EPA 8240		
Total Xylenes	33	5	ug/kg	EPA 8240		
d4-Dichloroethane (SURROGATE)	89	0	% Recovery	70-121% QC LIMITS		
d8-Toluene (SURROGATE)	105	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	106	0	% Recovery	74-121% QC LIMITS		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS
09/23/94

JOB NUMBER: 942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

CLIENT I.D.....:
DATE SAMPLED.....: 09/20/94
TIME SAMPLED.....: 13:00
WORK DESCRIPTION...: HA-1-6'

LABORATORY I.D...: 942323-0002
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

TEST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Total Petroleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
Diesel	12	10	mg/kg	EPA 8015 (modified)		
Metals		*100		EPA 6010	09/22/94	VB
Arsenic (As)	ND	30.0	mg/kg	EPA 6010		
Cadmium (Cd)	ND	5.00	mg/kg	EPA 6010		
Chromium (Cr)	ND	5.00	mg/kg	EPA 6010		
Lead (Pb)	5.7	5.00	mg/kg	EPA 6010		
Total Hydrocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
Polychlorinated Biphenyls		*1		EPA 8080	09/22/94	CIS
Aroclor-1016	ND	33	ug/kg	EPA 8080		
Aroclor-1221	ND	33	ug/kg	EPA 8080		
Aroclor-1232	ND	33	ug/kg	EPA 8080		
Aroclor-1242	ND	33	ug/kg	EPA 8080		
Aroclor-1248	ND	33	ug/kg	EPA 8080		
Aroclor-1254	ND	33	ug/kg	EPA 8080		
Aroclor-1260	51	33	ug/kg	EPA 8080		
Tetrachloro-m-xylene (SURROGATE)	63	0	% Recovery	QC LIMITS 40-130		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS

09/23/94

JMBER: 942323 CUSTOMER: DICO OIL CO.//Advanced Resources ATTN: Del Parker

r I.D.....:
SAMPLED.....: 09/20/94
SAMPLED.....: 13:30
DESCRIPTION...: HA-1-9'

LABORATORY I.D...: 942323-0003
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Digestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
ation Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
ile Organics by GC/MS		*1		EPA 8240	09/22/94	CIS
cetone	ND	10	ug/kg	EPA 8240		
enzene	ND	5	ug/kg	EPA 8240		
romodichloromethane	ND	5	ug/kg	EPA 8240		
romoform	ND	5	ug/kg	EPA 8240		
romomethane	ND	10	ug/kg	EPA 8240		
-Butanone	ND	10	ug/kg	EPA 8240		
arbon disulfide	ND	5	ug/kg	EPA 8240		
arbon tetrachloride	ND	5	ug/kg	EPA 8240		
hlorobenzene	ND	5	ug/kg	EPA 8240		
hlorodibromomethane	ND	5	ug/kg	EPA 8240		
hloroethane	ND	10	ug/kg	EPA 8240		
-Chloroethylvinyl ether	ND	10	ug/kg	EPA 8240		
hloroform	ND	5	ug/kg	EPA 8240		
hloromethane	ND	10	ug/kg	EPA 8240		
,1-Dichloroethane	ND	5	ug/kg	EPA 8240		
,2-Dichloroethane	ND	5	ug/kg	EPA 8240		
,1-Dichloroethene	ND	5	ug/kg	EPA 8240		
otal 1,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
,2-Dichloropropane	ND	5	ug/kg	EPA 8240		
is-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
rans-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
thylbenzene	ND	5	ug/kg	EPA 8240		
-Hexanone	ND	10	ug/kg	EPA 8240		
ethylene Chloride	ND	5	ug/kg	EPA 8240		
-Methyl-2-pentanone	ND	10	ug/kg	EPA 8240		
tyrene	ND	5	ug/kg	EPA 8240		
,1,2,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
etrachloroethene	ND	5	ug/kg	EPA 8240		
,1,1-Trichloroethane	ND	5	ug/kg	EPA 8240		
,1,2-Trichloroethane	ND	5	ug/kg	EPA 8240		
richloroethene	ND	5	ug/kg	EPA 8240		
oluene	24	5	ug/kg	EPA 8240		
inyl acetate	ND	10	ug/kg	EPA 8240		
inyl chloride	ND	10	ug/kg	EPA 8240		
otal Xylenes	100	5	ug/kg	EPA 8240		
4-Dichloroethane (SURROGATE)	94	0	% Recovery	70-121% QC LIMITS		
8-Toluene (SURROGATE)	109	0	% Recovery	88-110% QC LIMITS		
-Bromofluorobenzene (SURROGATE)	132(a)	0	% Recovery	74-121% QC LIMITS		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS
09/23/94

BER: 942323 CUSTOMER: DICO OIL Co./Advanced Resources ATTN: Del Parker

I.D.....:
MPLED.....: 09/20/94
MPLED.....: 13:30
ESCRIPTION...: HA-1-9'

LABORATORY I.D...: 942323-0003
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

SCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
etroleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
sel	ND	10	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
enic (As)	ND	30.0	mg/kg	EPA 6010		
mium (Cd)	ND	5.00	mg/kg	EPA 6010		
omium (Cr)	ND	5.00	mg/kg	EPA 6010		
d (Pb)	ND	5.00	mg/kg	EPA 6010		
ydrocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
orinated Biphenyls		*1		EPA 8080	09/22/94	CIS
clor-1016	ND	33	ug/kg	EPA 8080		
clor-1221	ND	33	ug/kg	EPA 8080		
clor-1232	ND	33	ug/kg	EPA 8080		
clor-1242	ND	33	ug/kg	EPA 8080		
clor-1248	ND	33	ug/kg	EPA 8080		
clor-1254	ND	33	ug/kg	EPA 8080		
clor-1260	66	33	ug/kg	EPA 8080		
rachloro-m-xylene (SURROGATE)	59	0	% Recovery	QC LIMITS 40-130		

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LABORATORY TESTS RESULTS

09/23/94

NBER: 942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

LABORATORY I.D....: 942323-0004
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brasly-soil

r I.D.....:
SAMPLED.....: 09/20/94
SAMPLED.....: 14:05
DESCRIPTION...: HA-2-3'

DESCRIPTION	FINAL RESULT	LIMITS*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Digestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
cation Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
tile Organics by GC/MS		*1		EPA 8240	09/22/94	CIS
Acetone	ND	10	ug/kg	EPA 8240		
Benzene	ND	5	ug/kg	EPA 8240		
Bromodichloromethane	ND	5	ug/kg	EPA 8240		
Bromoform	ND	5	ug/kg	EPA 8240		
Bromomethane	ND	10	ug/kg	EPA 8240		
2-Butanone	ND	10	ug/kg	EPA 8240		
Carbon disulfide	ND	5	ug/kg	EPA 8240		
Carbon tetrachloride	ND	5	ug/kg	EPA 8240		
Chlorobenzene	ND	5	ug/kg	EPA 8240		
Chlorodibromomethane	ND	5	ug/kg	EPA 8240		
Chloroethane	ND	10	ug/kg	EPA 8240		
2-Chloroethylvinyl ether	ND	10	ug/kg	EPA 8240		
Chloroform	ND	5	ug/kg	EPA 8240		
Chloromethane	ND	10	ug/kg	EPA 8240		
1,1-Dichloroethane	ND	5	ug/kg	EPA 8240		
1,2-Dichloroethane	ND	5	ug/kg	EPA 8240		
1,1-Dichloroethene	ND	5	ug/kg	EPA 8240		
Total 1,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
1,2-Dichloropropane	ND	5	ug/kg	EPA 8240		
cis-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
trans-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
Ethylbenzene	ND	5	ug/kg	EPA 8240		
2-Hexanone	ND	10	ug/kg	EPA 8240		
Methylene Chloride	ND	5	ug/kg	EPA 8240		
4-Methyl-2-pentanone	ND	10	ug/kg	EPA 8240		
Styrene	ND	5	ug/kg	EPA 8240		
1,1,2,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
Tetrachloroethene	ND	5	ug/kg	EPA 8240		
1,1,1-Trichloroethane	ND	5	ug/kg	EPA 8240		
1,1,2-Trichloroethane	ND	5	ug/kg	EPA 8240		
Trichloroethene	ND	5	ug/kg	EPA 8240		
Toluene	ND	5	ug/kg	EPA 8240		
Vinyl acetate	ND	10	ug/kg	EPA 8240		
Vinyl chloride	ND	10	ug/kg	EPA 8240		
Total Xylenes	ND	5	ug/kg	EPA 8240		
d4-Dichloroethane (SURROGATE)	91	0	% Recovery	70-121% QC LIMITS		
d8-Toluene (SURROGATE)	104	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	101	0	% Recovery	74-121% QC LIMITS		

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SENT BY: 9-26-94 ; 5:28PM ; CORE ANAHEIM→ 9095907810;# 8

WESTERN ATLAS

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LABORATORY TESTS RESULTS
09/26/94

B: 942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

.D.....:
PLED.....: 09/20/94
PLED.....: 14:05
CRIPTION...: HA-2-3'

LABORATORY I.D...: 942323-0004
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brasly-soil

CRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
troleum Hydrocarbons		*5		EPA 8015 (modified)	09/22/94	RVJ
el	160	50	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
nic (As)	ND	30.0	mg/kg	EPA 6010		
ium (Cd)	ND	5.00	mg/kg	EPA 6010		
mium (Cr)	ND	5.00	mg/kg	EPA 6010		
l (Pb)	ND	5.00	mg/kg	EPA 6010		
drocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
rinated Biphenyls		*5		EPA 8080	09/22/94	CIS
lor-1016	ND	165	ug/kg	EPA 8080		
lor-1221	ND	165	ug/kg	EPA 8080		
lor-1232	ND	165	ug/kg	EPA 8080		
lor-1242	ND	165	ug/kg	EPA 8080		
lor-1248	ND	165	ug/kg	EPA 8080		
lor-1254	ND	165	ug/kg	EPA 8080		
lor-1260	250	165	ug/kg	EPA 8080		
achloro-m-xylene (SURROGATE)	76	0	% Recovery	QC LIMITS 40-130		

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SENT BY: 9-26-94 ; 5:29PM ; CORE ANAHEIM→ 9095907810;#

WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS
09/23/94

ER: 942323 CUSTOMER: DICO Oil Co.//Advanced Resources ATTN: Del Parker

.D.....:
PLED.....: 09/20/94
PLED.....: 14:34
CRIPTION...: HA-2-6'

LABORATORY I.D...: 942323-0005
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

CRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
astion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
on Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
Organics by GC/MS		*1		EPA 8240	09/22/94	CIS
one	18	10	ug/kg	EPA 8240		
ene	ND	5	ug/kg	EPA 8240		
odichloromethane	ND	5	ug/kg	EPA 8240		
oform	ND	5	ug/kg	EPA 8240		
omethane	ND	10	ug/kg	EPA 8240		
tanone	ND	10	ug/kg	EPA 8240		
on disulfide	ND	5	ug/kg	EPA 8240		
on tetrachloride	ND	5	ug/kg	EPA 8240		
robenzene	ND	5	ug/kg	EPA 8240		
rodibromomethane	ND	5	ug/kg	EPA 8240		
roethane	ND	10	ug/kg	EPA 8240		
loroethylvinyl ether	ND	10	ug/kg	EPA 8240		
roform	ND	5	ug/kg	EPA 8240		
romethane	ND	10	ug/kg	EPA 8240		
Dichloroethane	ND	5	ug/kg	EPA 8240		
Dichloroethane	ND	5	ug/kg	EPA 8240		
Dichloroethene	ND	5	ug/kg	EPA 8240		
l 1,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
Dichloropropane	ND	5	ug/kg	EPA 8240		
1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
s-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
lbenzene	ND	5	ug/kg	EPA 8240		
xanone	ND	10	ug/kg	EPA 8240		
ylene Chloride	ND	5	ug/kg	EPA 8240		
thyl-2-pentanone	ND	10	ug/kg	EPA 8240		
ene	ND	5	ug/kg	EPA 8240		
2,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
achloroethene	5	5	ug/kg	EPA 8240		
1-Trichloroethane	ND	5	ug/kg	EPA 8240		
2-Trichloroethane	ND	5	ug/kg	EPA 8240		
hloroethene	ND	5	ug/kg	EPA 8240		
ene	6	5	ug/kg	EPA 8240		
l acetate	ND	10	ug/kg	EPA 8240		
l chloride	ND	10	ug/kg	EPA 8240		
l Xylenes	17	5	ug/kg	EPA 8240		
ichloroethane (SURROGATE)	92	0	% Recovery	70-121% QC LIMITS		
oluene (SURROGATE)	104	0	% Recovery	88-110% QC LIMITS		
omofluorobenzene (SURROGATE)	101	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
09/23/94

ER: 942323 CUSTOMER: Dico Oil Co.//Advanced Resources ATTN: Del Parker

.D.....:
PLED.....: 09/20/94
PLED.....: 14:34
CRIPTION...: NA-2-6'

LABORATORY I.D...: 942323-0005
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

CRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
troleum Hydrocarbons		*5		EPA 8015 (modified)	09/22/94	RVJ
el	ND	50	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
nic (As)	ND	30.0	mg/kg	EPA 6010		
ium (Cd)	ND	5.00	mg/kg	EPA 6010		
nium (Cr)	ND	5.00	mg/kg	EPA 6010		
(Pb)	ND	5.00	mg/kg	EPA 6010		
drocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
rinated Biphenyls		*1		EPA 8080	09/22/94	CIS
lor-1016	ND	33	ug/kg	EPA 8080		
lor-1221	ND	33	ug/kg	EPA 8080		
lor-1232	ND	33	ug/kg	EPA 8080		
.or-1242	ND	33	ug/kg	EPA 8080		
.or-1248	ND	33	ug/kg	EPA 8080		
.or-1254	ND	33	ug/kg	EPA 8080		
.or-1260	89	33	ug/kg	EPA 8080		
chloro-m-xylene (SURROGATE)	63	0	% Recovery	QC LIMITS 40-130		

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LABORATORY TESTS RESULTS

09/23/94

ER: 942323 CUSTOMER: OTCO OIL Co./Advanced Resources ATTN: Del Parker

.D.....:
PLED.....: 09/20/94
PLED.....: 14:46
CRIPTION...: HA-2-9'

LABORATORY I.D...: 942323-0006
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssiv-soil

CRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
estion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
on Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
Organics by GC/MS		*1		EPA 8240	09/22/94	CIS
one	ND	10	ug/kg	EPA 8240		
ene	ND	5	ug/kg	EPA 8240		
odichloromethane	ND	5	ug/kg	EPA 8240		
oform	ND	5	ug/kg	EPA 8240		
omethane	ND	10	ug/kg	EPA 8240		
tanone	ND	10	ug/kg	EPA 8240		
on disulfide	ND	5	ug/kg	EPA 8240		
on tetrachloride	ND	5	ug/kg	EPA 8240		
robenzene	ND	5	ug/kg	EPA 8240		
rodibromomethane	ND	5	ug/kg	EPA 8240		
romethane	ND	10	ug/kg	EPA 8240		
loroethylvinyl ether	ND	10	ug/kg	EPA 8240		
roform	ND	5	ug/kg	EPA 8240		
romomethane	ND	10	ug/kg	EPA 8240		
Dichloroethane	ND	5	ug/kg	EPA 8240		
Dichloroethane	ND	5	ug/kg	EPA 8240		
Dichloroethene	ND	5	ug/kg	EPA 8240		
L 1,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
Dichloropropane	ND	5	ug/kg	EPA 8240		
1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
s-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
lbenzene	ND	5	ug/kg	EPA 8240		
tanone	ND	10	ug/kg	EPA 8240		
/lene Chloride	ND	5	ug/kg	EPA 8240		
thyl-2-pentanone	ND	10	ug/kg	EPA 8240		
ene	ND	5	ug/kg	EPA 8240		
2,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
chloroethene	ND	5	ug/kg	EPA 8240		
l-Trichloroethane	ND	5	ug/kg	EPA 8240		
2-Trichloroethane	ND	5	ug/kg	EPA 8240		
loroethene	ND	5	ug/kg	EPA 8240		
ene	ND	5	ug/kg	EPA 8240		
l acetate	ND	10	ug/kg	EPA 8240		
l chloride	ND	10	ug/kg	EPA 8240		
l Xylenes	ND	5	ug/kg	EPA 8240		
ichloroethane (SURROGATE)	90	0	% Recovery	70-121% QC LIMITS		
oluene (SURROGATE)	101	0	% Recovery	88-110% QC LIMITS		
xmofluorobenzene (SURROGATE)	97	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
09/23/94

UMBER: 942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Dan Parker

T I.D.....:
SAMPLED.....: 09/20/94
SAMPLED.....: 14:46
DESCRIPTION...: HA-2-9'

LABORATORY I.D...: 942323-0006
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Petroleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
iesel	ND	10	mg/kg	EPA 8015 (modified)		
s		*100		EPA 6010	09/22/94	VB
rsenic (As)	ND	30.0	mg/kg	EPA 6010		
admium (Cd)	ND	5.00	mg/kg	EPA 6010		
hromium (Cr)	8.9	5.00	mg/kg	EPA 6010		
ead (Pb)	ND	5.00	mg/kg	EPA 6010		
Hydrocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
ilorinated Biphenyls		*1		EPA 8080	09/22/94	CIS
oclor-1016	ND	33	ug/kg	EPA 8080		
oclor-1221	ND	33	ug/kg	EPA 8080		
oclor-1232	ND	33	ug/kg	EPA 8080		
oclor-1242	ND	33	ug/kg	EPA 8080		
oclor-1248	ND	33	ug/kg	EPA 8080		
oclor-1254	ND	33	ug/kg	EPA 8080		
oclor-1260	ND	33	ug/kg	EPA 8080		
trachloro-m-xylene (SURROGATE)	80	0	% Recovery	QC LIMITS 40-130		

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09-20-94 ; 3:20PM ; CORE ANAHEIM→ 9095907810;#1

WESTERN ATLAS

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LABORATORY TESTS RESULTS
09/23/94

NUMBER: 942323 CUSTOMER: Disco Oil Co.//Advanced Resources ATTN: Del Parker

ENT I.D.....:
E SAMPLED.....: 09/20/94
E SAMPLED.....: 15:19
(DESCRIPTION...: HA-3-3'

LABORATORY I.D...: 942323-0007
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssiv-soil

DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
l Digestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
cation Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
tile Organics by GC/MS		*1		EPA 8240	09/22/94	CIS
Acetone	ND	10	ug/kg	EPA 8240		
Benzene	ND	5	ug/kg	EPA 8240		
Bromodichloromethane	ND	5	ug/kg	EPA 8240		
Bromoform	ND	5	ug/kg	EPA 8240		
Bromomethane	ND	10	ug/kg	EPA 8240		
2-Butanone	ND	10	ug/kg	EPA 8240		
Carbon disulfide	ND	5	ug/kg	EPA 8240		
Carbon tetrachloride	ND	5	ug/kg	EPA 8240		
Chlorobenzene	ND	5	ug/kg	EPA 8240		
Chlorodibromomethane	ND	5	ug/kg	EPA 8240		
Chloroethane	ND	10	ug/kg	EPA 8240		
2-Chloroethylvinyl ether	ND	10	ug/kg	EPA 8240		
Chloroform	ND	5	ug/kg	EPA 8240		
Chloromethane	ND	10	ug/kg	EPA 8240		
1,1-Dichloroethane	ND	5	ug/kg	EPA 8240		
1,2-Dichloroethane	ND	5	ug/kg	EPA 8240		
1,1-Dichloroethene	ND	5	ug/kg	EPA 8240		
Total 1,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
1,2-Dichloropropane	ND	5	ug/kg	EPA 8240		
cis-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
trans-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
thylbenzene	ND	5	ug/kg	EPA 8240		
2-Hexanone	ND	10	ug/kg	EPA 8240		
lethylene Chloride	ND	5	ug/kg	EPA 8240		
-Methyl-2-pentanone	ND	10	ug/kg	EPA 8240		
tyrene	ND	5	ug/kg	EPA 8240		
,1,2,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
etrachloroethene	ND	5	ug/kg	EPA 8240		
,1,1-Trichloroethane	ND	5	ug/kg	EPA 8240		
,1,2-Trichloroethane	ND	5	ug/kg	EPA 8240		
richloroethene	ND	5	ug/kg	EPA 8240		
oluene	ND	5	ug/kg	EPA 8240		
inyl acetate	ND	10	ug/kg	EPA 8240		
inyl chloride	ND	10	ug/kg	EPA 8240		
otal Xylenes	ND	5	ug/kg	EPA 8240		
4-Dichloroethane (SURROGATE)	90	0	% Recovery	70-121% QC LIMITS		
8-Toluene (SURROGATE)	104	0	% Recovery	88-110% QC LIMITS		
-Bromofluorobenzene (SURROGATE)	96	0	% Recovery	74-121% QC LIMITS		

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WESTERN ATLAS

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LABORATORY TESTS RESULTS
09/23/94

JB NUMBER: 942323 CUSTOMER: Dico Oil Co.//Advanced Resources ATTN: Del Parker

.IENT I.D.....:
ATE SAMPLED.....: 09/20/94
HE SAMPLED.....: 15:19
ORK DESCRIPTION...: HA-3-3'

LABORATORY I.D...: 942323-0007
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsly-soil

ST DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
tal Petroleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
Diesel	100	10	mg/kg	EPA 8015 (modified)		
tals		*100		EPA 6010	09/22/94	VB
Arsenic (As)	ND	30.0	mg/kg	EPA 6010		
Cadmium (Cd)	ND	5.00	mg/kg	EPA 6010		
Chromium (Cr)	ND	5.00	mg/kg	EPA 6010		
Lead (Pb)	ND	5.00	mg/kg	EPA 6010		
tal Hydrocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
lychlorinated Biphenyls		*1		EPA 8080	09/22/94	CIS
Aroclor-1016	ND	33	ug/kg	EPA 8080		
Aroclor-1221	ND	33	ug/kg	EPA 8080		
Aroclor-1232	ND	33	ug/kg	EPA 8080		
Aroclor-1242	ND	33	ug/kg	EPA 8080		
Aroclor-1248	ND	33	ug/kg	EPA 8080		
Aroclor-1254	ND	33	ug/kg	EPA 8080		
Aroclor-1260	44	33	ug/kg	EPA 8080		
Tetrachloro-m-xylene (SURROGATE)	69	0	% Recovery	QC LIMITS 40-130		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS

09/23/94

UMBER: 942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

T I.D.....:
SAMPLED.....: 09/20/94
SAMPLED.....: 15:30
DESCRIPTION...: HA-3-6'

LABORATORY I.D...: 942323-0008
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECH
l Petroleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
)iesel	ND	10	mg/kg	EPA 8015 (modified)		
ls		*100		EPA 6010	09/22/94	VB
Arsenic (As)	ND	30.0	mg/kg	EPA 6010		
Cadmium (Cd)	ND	5.00	mg/kg	EPA 6010		
Chromium (Cr)	ND	5.00	mg/kg	EPA 6010		
Lead (Pb)	ND	5.00	mg/kg	EPA 6010		
l Hydrocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
chlorinated Biphenyls		*1		EPA 8080	09/22/94	CIS
Aroclor-1016	ND	33	ug/kg	EPA 8080		
Aroclor-1221	ND	33	ug/kg	EPA 8080		
Aroclor-1232	ND	33	ug/kg	EPA 8080		
Aroclor-1242	ND	33	ug/kg	EPA 8080		
Aroclor-1248	ND	33	ug/kg	EPA 8080		
Aroclor-1254	ND	33	ug/kg	EPA 8080		
Aroclor-1260	ND	33	ug/kg	EPA 8080		
Tetrachloro-m-xylene (SURROGATE)	70	0	% Recovery	QC LIMITS 40-130		

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SENT BY: 9-26-94 ; 5:29PM ; CORE ANAHEIM→ 9095907810;#17

WESTERN ATLAS

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LABORATORY TESTS RESULTS
09/23/94

B NUMBER: 942323 CUSTOMER: DILCO OIL Co.//Advanced Resources ATTN: Del Parker

IENT I.D.....:
TE SAMPLED.....: 09/20/94
ME SAMPLED.....: 15:51
RK DESCRIPTION...: HA-3-9'

LABORATORY I.D...: 942323-0009
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

ST DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
'd Digestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
ication Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
atile Organics by GC/MS		*1		EPA 8240	09/22/94	CTS
Acetone	ND	10	ug/kg	EPA 8240		
Benzene	ND	5	ug/kg	EPA 8240		
Bromodichloromethane	ND	5	ug/kg	EPA 8240		
Bromoform	ND	5	ug/kg	EPA 8240		
Bromomethane	ND	10	ug/kg	EPA 8240		
2-Butanone	ND	10	ug/kg	EPA 8240		
Carbon disulfide	ND	5	ug/kg	EPA 8240		
Carbon tetrachloride	ND	5	ug/kg	EPA 8240		
Chlorobenzene	ND	5	ug/kg	EPA 8240		
Chlorodibromomethane	ND	5	ug/kg	EPA 8240		
Chloroethane	ND	10	ug/kg	EPA 8240		
2-Chloroethylvinyl ether	ND	10	ug/kg	EPA 8240		
Chloroform	ND	5	ug/kg	EPA 8240		
Chloromethane	ND	10	ug/kg	EPA 8240		
,1-Dichloroethane	ND	5	ug/kg	EPA 8240		
,2-Dichloroethane	ND	5	ug/kg	EPA 8240		
,1-Dichloroethene	ND	5	ug/kg	EPA 8240		
otal 1,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
,2-Dichloropropane	ND	5	ug/kg	EPA 8240		
is-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
ans-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
hylbenzene	ND	5	ug/kg	EPA 8240		
Hexanone	ND	10	ug/kg	EPA 8240		
thylene Chloride	ND	5	ug/kg	EPA 8240		
Methyl-2-pentanone	ND	10	ug/kg	EPA 8240		
yrene	ND	5	ug/kg	EPA 8240		
1,2,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
trachloroethene	ND	5	ug/kg	EPA 8240		
1,1-Trichloroethane	ND	5	ug/kg	EPA 8240		
1,2-Trichloroethane	ND	5	ug/kg	EPA 8240		
ichloroethene	ND	5	ug/kg	EPA 8240		
uene	ND	5	ug/kg	EPA 8240		
yl acetate	ND	10	ug/kg	EPA 8240		
yl chloride	ND	10	ug/kg	EPA 8240		
al Xylenes	ND	5	ug/kg	EPA 8240		
Dichloroethane (SURROGATE)	90	0	% Recovery	70-121% QC LIMITS		
Toluene (SURROGATE)	98	0	% Recovery	88-110% QC LIMITS		
romofluorobenzene (SURROGATE)	99	0	% Recovery	74-121% QC LIMITS		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS
09/23/94

NUMBER: 942323 CUSTOMER: Birch Oil Co.//Advanced Resources ATTN: Del Parker

ENT I.D.....:
E SAMPLED.....: 09/20/94
E SAMPLED.....: 15:51
K DESCRIPTION...: HA-3-9'

LABORATORY I.D...: 942323-0009
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brasiv-soil

DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
il Petroleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	KVJ
Diesel	ND	10	mg/kg	EPA 8015 (modified)		
ils		*100		EPA 6010	09/22/94	VB
Arsenic (As)	ND	30.0	mg/kg	EPA 6010		
Cadmium (Cd)	ND	5.00	mg/kg	EPA 6010		
Chromium (Cr)	ND	5.00	mg/kg	EPA 6010		
Lead (Pb)	ND	5.00	mg/kg	EPA 6010		
l Hydrocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
chlorinated Biphenyls		*1		EPA 8080	09/22/94	CIS
roclor-1016	ND	33	ug/kg	EPA 8080		
roclor-1221	ND	33	ug/kg	EPA 8080		
roclor-1232	ND	33	ug/kg	EPA 8080		
roclor-1242	ND	33	ug/kg	EPA 8080		
roclor-1248	ND	33	ug/kg	EPA 8080		
roclor-1254	ND	33	ug/kg	EPA 8080		
roclor-1260	ND	33	ug/kg	EPA 8080		
etrachloro-m-xylene (SURROGATE)	73	0	% Recovery	QC LIMITS 40-130		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS

09/23/94

ER: 942323 CUSTOMER: Dyco Oil Co.//Advanced Resources ATTN: Del Parker

.D.....:
PLED.....: 09/20/94
PLED.....: 16:13
CRIPTION...: HA-4-3'

LABORATORY I.D...: 942323-0010
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

CRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
stion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
n Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
Organics by GC/MS		*5		EPA 8240	09/22/94	CIS
ne	ND	50	ug/kg	EPA 8240		
ne	98	25	ug/kg	EPA 8240		
Dichloromethane	ND	25	ug/kg	EPA 8240		
form	ND	25	ug/kg	EPA 8240		
nethane	ND	50	ug/kg	EPA 8240		
anone	51	50	ug/kg	EPA 8240		
1 disulfide	ND	25	ug/kg	EPA 8240		
1 tetrachloride	ND	25	ug/kg	EPA 8240		
benzene	ND	25	ug/kg	EPA 8240		
dibromomethane	ND	25	ug/kg	EPA 8240		
ethane	ND	50	ug/kg	EPA 8240		
roethylvinyl ether	ND	50	ug/kg	EPA 8240		
form	ND	25	ug/kg	EPA 8240		
methane	ND	50	ug/kg	EPA 8240		
chloroethane	ND	25	ug/kg	EPA 8240		
chloroethane	ND	25	ug/kg	EPA 8240		
chloroethene	ND	25	ug/kg	EPA 8240		
1,2-Dichloroethenes	ND	25	ug/kg	EPA 8240		
chloropropane	ND	25	ug/kg	EPA 8240		
3-Dichloropropene	ND	25	ug/kg	EPA 8240		
1,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
enzene	570	25	ug/kg	EPA 8240		
none	ND	50	ug/kg	EPA 8240		
ene Chloride	ND	25	ug/kg	EPA 8240		
yl-2-pentanone	ND	50	ug/kg	EPA 8240		
	ND	25	ug/kg	EPA 8240		
2-Tetrachloroethane	ND	25	ug/kg	EPA 8240		
loroethene	110	25	ug/kg	EPA 8240		
richloroethane	52	25	ug/kg	EPA 8240		
richloroethene	ND	25	ug/kg	EPA 8240		
roethene	ND	25	ug/kg	EPA 8240		
	1400	25	ug/kg	EPA 8240		
cetate	ND	50	ug/kg	EPA 8240		
hloride	ND	50	ug/kg	EPA 8240		
ylenes	2900	25	ug/kg	EPA 8240		
loroethane (SURROGATE)	95	0	% Recovery	70-121% QC LIMITS		
ene (SURROGATE)	109	0	% Recovery	88-110% QC LIMITS		
fluorobenzene (SURROGATE)	148(a)	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
09/23/94

...: 942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

.....:
ED.....: 09/20/94
ED.....: 16:13
IPTION...: HA-4-3'

LABORATORY I.D...: 942323-0010
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

PTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
lcum Hydrocarbons		*5		EPA 8015 (modified)	09/22/94	RVJ
	1100	50	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
(As)	ND	30.0	mg/kg	EPA 6010		
(Cd)	ND	5.00	mg/kg	EPA 6010		
(Cr)	ND	5.00	mg/kg	EPA 6010		
)	ND	5.00	mg/kg	EPA 6010		
arbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
ced Biphenyls		*20		EPA 8080	09/22/94	CIS
016	ND	660	ug/kg	EPA 8080		
221	ND	660	ug/kg	EPA 8080		
232	ND	660	ug/kg	EPA 8080		
242	ND	660	ug/kg	EPA 8080		
248	ND	660	ug/kg	EPA 8080		
254	ND	660	ug/kg	EPA 8080		
260	ND	660	ug/kg	EPA 8080		
o-m-xylene (SURROGATE)	93	0	% Recovery	QC LIMITS 40-130		

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WESTERN ATLAS

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LABORATORY TESTS RESULTS
09/23/94

BER: 942323 CUSTOMER: DIXO Oil Co./Advanced Resources ATTN: Del Parker

I.D.....:
MPLED.....: 09/20/94
MPLED.....: 16:34
SCRIPTION...: HA-4-6'

LABORATORY I.D...: 942323-0011
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

CRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
stion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
n Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
Organics by GC/MS		*1		EPA 8240	09/22/94	CIS
ne	33	10	ug/kg	EPA 8240		
ne	ND	5	ug/kg	EPA 8240		
ichloromethane	ND	5	ug/kg	EPA 8240		
orm	ND	5	ug/kg	EPA 8240		
ethane	ND	10	ug/kg	EPA 8240		
none	ND	10	ug/kg	EPA 8240		
disulfide	ND	5	ug/kg	EPA 8240		
tetrachloride	ND	5	ug/kg	EPA 8240		
enzene	ND	5	ug/kg	EPA 8240		
ibromomethane	ND	5	ug/kg	EPA 8240		
thane	ND	10	ug/kg	EPA 8240		
oethylvinyl ether	ND	10	ug/kg	EPA 8240		
orm	ND	5	ug/kg	EPA 8240		
ethane	ND	10	ug/kg	EPA 8240		
hloroethane	ND	5	ug/kg	EPA 8240		
hloroethane	ND	5	ug/kg	EPA 8240		
hloroethene	ND	5	ug/kg	EPA 8240		
,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
loropropane	ND	5	ug/kg	EPA 8240		
Dichloropropene	ND	5	ug/kg	EPA 8240		
3-Dichloropropene	ND	5	ug/kg	EPA 8240		
zene	33	5	ug/kg	EPA 8240		
ne	ND	10	ug/kg	EPA 8240		
e Chloride	ND	5	ug/kg	EPA 8240		
-2-pentanone	ND	10	ug/kg	EPA 8240		
	ND	5	ug/kg	EPA 8240		
etrachloroethane	ND	5	ug/kg	EPA 8240		
roethene	8	5	ug/kg	EPA 8240		
chloroethane	ND	5	ug/kg	EPA 8240		
chloroethane	ND	5	ug/kg	EPA 8240		
ethene	ND	5	ug/kg	EPA 8240		
	69	5	ug/kg	EPA 8240		
tate	ND	10	ug/kg	EPA 8240		
ride	ND	10	ug/kg	EPA 8240		
nes	150	5	ug/kg	EPA 8240		
oethane (SURROGATE)	97	0	% Recovery	70-121% QC LIMITS		
(SURROGATE)	104	0	% Recovery	88-110% QC LIMITS		
orobenzene (SURROGATE)	115	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS

09/23/94

k: 942323 CUSTOMER: Dilco Oil Co./Advanced Resources ATTN: Del Parker

D.....:
LED.....: 09/20/94
LED.....: 16:34
RIPTION...: HA-4-6'

LABORATORY I.D...: 942323-0011
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brasly-soil

RIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
roleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
l	11	10	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
c (As)	ND	30.0	mg/kg	EPA 6010		
n (Cd)	ND	5.00	mg/kg	EPA 6010		
m (Cr)	ND	5.00	mg/kg	EPA 6010		
b)	ND	5.00	mg/kg	EPA 6010		
carbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
ated Biphenyls		*1		EPA 8080	09/22/94	CJS
1016	ND	33	ug/kg	EPA 8080		
1221	ND	33	ug/kg	EPA 8080		
1232	ND	33	ug/kg	EPA 8080		
1242	ND	33	ug/kg	EPA 8080		
1248	ND	33	ug/kg	EPA 8080		
1254	ND	33	ug/kg	EPA 8080		
1260	ND	33	ug/kg	EPA 8080		
ro-m-xylene (SURROGATE)	68	0	% Recovery	QC LIMITS 40-130		

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LABORATORY TESTS RESULTS
09/23/94

BR: 942323 CUSTOMER: DTSC OFC Ba./Advanced Resources ATTN: Del Parker

.D.....:
PLED.....: 09/20/94
PLED.....: 16:52
CRIPTION...: HA-4-9'

LABORATORY I.D...: 942323-0012
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brasiv-soil

CRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
estion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
on Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
Organics by GC/MS		*1		EPA 8240	09/22/94	CIS
ne	ND	10	ug/kg	EPA 8240		
ne	ND	5	ug/kg	EPA 8240		
dichloromethane	ND	5	ug/kg	EPA 8240		
form	ND	5	ug/kg	EPA 8240		
ethane	ND	10	ug/kg	EPA 8240		
hone	ND	10	ug/kg	EPA 8240		
disulfide	ND	5	ug/kg	EPA 8240		
tetrachloride	ND	5	ug/kg	EPA 8240		
benzene	ND	5	ug/kg	EPA 8240		
dibromomethane	ND	5	ug/kg	EPA 8240		
ethane	ND	10	ug/kg	EPA 8240		
oethylvinyl ether	ND	10	ug/kg	EPA 8240		
orm	ND	5	ug/kg	EPA 8240		
ethane	ND	10	ug/kg	EPA 8240		
hloroethane	ND	5	ug/kg	EPA 8240		
hloroethane	ND	5	ug/kg	EPA 8240		
hloroethene	ND	5	ug/kg	EPA 8240		
,2-Dichloroethene	ND	5	ug/kg	EPA 8240		
loropropane	ND	5	ug/kg	EPA 8240		
Dichloropropene	ND	5	ug/kg	EPA 8240		
3-Dichloropropene	ND	5	ug/kg	EPA 8240		
zene	ND	5	ug/kg	EPA 8240		
ne	ND	10	ug/kg	EPA 8240		
e Chloride	ND	5	ug/kg	EPA 8240		
-2-pentanone	ND	10	ug/kg	EPA 8240		
	ND	5	ug/kg	EPA 8240		
etrachloroethane	ND	5	ug/kg	EPA 8240		
roethene	ND	5	ug/kg	EPA 8240		
chloroethane	ND	5	ug/kg	EPA 8240		
chloroethene	ND	5	ug/kg	EPA 8240		
ethene	ND	5	ug/kg	EPA 8240		
	ND	5	ug/kg	EPA 8240		
rate	ND	10	ug/kg	EPA 8240		
oride	ND	10	ug/kg	EPA 8240		
nes	ND	5	ug/kg	EPA 8240		
oethane (SURROGATE)	90	0	% Recovery	70-121% QC LIMITS		
(SURROGATE)	100	0	% Recovery	88-110% QC LIMITS		
orobenzene (SURROGATE)	100	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS

09/23/94

B NUMBER: 942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

IENT I.D.....:
TE SAMPLED.....: 09/20/94
ME SAMPLED.....: 16:52
RK DESCRIPTION...: HA-4-9'

LABORATORY I.D...: 942323-0012
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brasiv-soil

ST DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
tal Petroleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
Diesel	ND	10	mg/kg	EPA 8015 (modified)		
als		*100		EPA 6010	09/22/94	VB
Arsenic (As)	ND	30.0	mg/kg	EPA 6010		
Cadmium (Cd)	ND	5.00	mg/kg	EPA 6010		
Chromium (Cr)	ND	5.00	mg/kg	EPA 6010		
Lead (Pb)	ND	5.00	mg/kg	EPA 6010		
l Hydrocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
chlorinated Biphenyls		*1		EPA 8080	09/22/94	CIS
roclor-1016	ND	33	ug/kg	EPA 8080		
roclor-1221	ND	33	ug/kg	EPA 8080		
roclor-1232	ND	33	ug/kg	EPA 8080		
roclor-1242	ND	33	ug/kg	EPA 8080		
roclor-1248	ND	33	ug/kg	EPA 8080		
roclor-1254	ND	33	ug/kg	EPA 8080		
roclor-1260	ND	33	ug/kg	EPA 8080		
trachloro-m-xylene (SURROGATE)	69	0	% Recovery	QC LIMITS 40-130		

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LABORATORY TESTS RESULTS

09/23/94

NUMBER: 942323 CUSTOMER: DIPO OIL Co./Advanced Resources ATTN: Del Parker

IENT I.D.....:
TE SAMPLED.....: 09/20/94
IE SAMPLED.....: 18:04
RK DESCRIPTION...: HA-5-3'

LABORATORY I.D...: 942323-0013
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

T DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
d Digestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
ication Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
atile Organics by GC/MS		*5		EPA 8240	09/22/94	CIS
Acetone	220	50	ug/kg	EPA 8240		
Benzene	46	25	ug/kg	EPA 8240		
Bromodichloromethane	ND	25	ug/kg	EPA 8240		
Bromoform	ND	25	ug/kg	EPA 8240		
Bromomethane	ND	50	ug/kg	EPA 8240		
2-Butanone	ND	50	ug/kg	EPA 8240		
Carbon disulfide	ND	25	ug/kg	EPA 8240		
Carbon tetrachloride	ND	25	ug/kg	EPA 8240		
hlorobenzene	ND	25	ug/kg	EPA 8240		
hlorodibromomethane	ND	25	ug/kg	EPA 8240		
hloroethane	ND	50	ug/kg	EPA 8240		
-Chloroethylvinyl ether	ND	50	ug/kg	EPA 8240		
hloroform	ND	25	ug/kg	EPA 8240		
hloromethane	ND	50	ug/kg	EPA 8240		
.1-Dichloroethane	ND	25	ug/kg	EPA 8240		
2-Dichloroethane	ND	25	ug/kg	EPA 8240		
1-Dichloroethene	ND	25	ug/kg	EPA 8240		
tal 1,2-Dichloroethenes	ND	25	ug/kg	EPA 8240		
2-Dichloropropane	ND	25	ug/kg	EPA 8240		
s-1,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
ns-1,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
ylbenzene	ND	25	ug/kg	EPA 8240		
exanone	ND	50	ug/kg	EPA 8240		
hylene Chloride	ND	25	ug/kg	EPA 8240		
ethyl-2-pentanone	ND	50	ug/kg	EPA 8240		
rene	ND	25	ug/kg	EPA 8240		
,2,2-Tetrachloroethane	ND	25	ug/kg	EPA 8240		
achloroethene	ND	25	ug/kg	EPA 8240		
1-Trichloroethane	ND	25	ug/kg	EPA 8240		
2-Trichloroethane	ND	25	ug/kg	EPA 8240		
hloroethene	ND	25	ug/kg	EPA 8240		
ene	ND	25	ug/kg	EPA 8240		
l acetate	ND	50	ug/kg	EPA 8240		
. chloride	ND	50	ug/kg	EPA 8240		
Xylenes	380	25	ug/kg	EPA 8240		
chloroethane (SURROGATE)	94	0	% Recovery	70-121% QC LIMITS		
luene (SURROGATE)	113	0	% Recovery	88-110% QC LIMITS		
mofluorobenzene (SURROGATE)	495(a)	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS

09/23/94

ER: 942323 CUSTOMER: OICO Oil Co./Advanced Resources ATTN: Del Parker

.D.....:
PLED.....: 09/20/94
PLED.....: 18:04
CRIPTION...: HA-5-3'

LABORATORY I.D...: 942323-0013
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

RIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
roleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
l	10000	50	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
ic (As)	ND	30.0	mg/kg	EPA 6010		
im (Cd)	ND	5.00	mg/kg	EPA 6010		
um (Cr)	ND	5.00	mg/kg	EPA 6010		
Pb)	ND	5.00	mg/kg	EPA 6010		
ocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
nated Biphenyls		*20		EPA 8080	09/22/94	CIS
-1016	ND	660	ug/kg	EPA 8080		
-1221	ND	660	ug/kg	EPA 8080		
-1232	ND	660	ug/kg	EPA 8080		
-1242	ND	660	ug/kg	EPA 8080		
-1248	ND	660	ug/kg	EPA 8080		
-1254	ND	660	ug/kg	EPA 8080		
-1260	1500	660	ug/kg	EPA 8080		
.oro-m-xylene (SURROGATE)	88	0	% Recovery	QC LIMITS 40-130		

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WESTERN ATLAS

LABORATORY TESTS RESULTS

09/23/94

B NUMBER: 942325 CUSTOMER: DICO OIL Co:/Advanced Resources ATTN: Del Perkar

IENT I.D.....:
TE SAMPLED.....: 09/20/94
IE SAMPLED.....: 18:19
K DESCRIPTION...: HA-5-6'

LABORATORY I.D...: 942323-0014
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
l Digestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
cation Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
:ile Organics by GC/MS		*5		EPA 8240	09/22/94	CIS
cetone	260	50	ug/kg	EPA 8240		
enzene	ND	25	ug/kg	EPA 8240		
romodichloromethane	ND	25	ug/kg	EPA 8240		
romoform	ND	25	ug/kg	EPA 8240		
omomethane	ND	50	ug/kg	EPA 8240		
Butanone	ND	50	ug/kg	EPA 8240		
rbon disulfide	ND	25	ug/kg	EPA 8240		
rbon tetrachloride	ND	25	ug/kg	EPA 8240		
lorobenzene	ND	25	ug/kg	EPA 8240		
lorodibromomethane	ND	25	ug/kg	EPA 8240		
orpethane	ND	50	ug/kg	EPA 8240		
hloroethylvinyl ether	ND	50	ug/kg	EPA 8240		
oroform	ND	25	ug/kg	EPA 8240		
oromethane	ND	50	ug/kg	EPA 8240		
-Dichloroethane	ND	25	ug/kg	EPA 8240		
-Dichloroethane	ND	25	ug/kg	EPA 8240		
-Dichloroethene	ND	25	ug/kg	EPA 8240		
l 1,2-Dichloroethenes	ND	25	ug/kg	EPA 8240		
Dichloropropane	ND	25	ug/kg	EPA 8240		
1,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
s-1,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
lbenzene	ND	25	ug/kg	EPA 8240		
tanone	ND	25	ug/kg	EPA 8240		
ylene Chloride	ND	50	ug/kg	EPA 8240		
hyl-2-pentanone	ND	25	ug/kg	EPA 8240		
ne	ND	50	ug/kg	EPA 8240		
,2-Tetrachloroethane	ND	25	ug/kg	EPA 8240		
chloroethene	ND	25	ug/kg	EPA 8240		
-Trichloroethane	ND	25	ug/kg	EPA 8240		
-Trichloroethane	ND	25	ug/kg	EPA 8240		
oroethene	ND	25	ug/kg	EPA 8240		
o	ND	25	ug/kg	EPA 8240		
acetate	56	25	ug/kg	EPA 8240		
chloride	ND	50	ug/kg	EPA 8240		
ylenes	ND	50	ug/kg	EPA 8240		
loroethane (SURROGATE)	350	25	ug/kg	EPA 8240		
ene (SURROGATE)	89	0	% Recovery	70-121% QC LIMITS		
fluorobenzene (SURROGATE)	106	0	% Recovery	88-110% QC LIMITS		
	202(a)	0	% Recovery	74-121% QC LIMITS		

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WESTERN ATLAS

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LABORATORY TESTS RESULTS
09/26/94

BER: 942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

I.D.....:
MPLED.....: 09/20/94
MPLED.....: 18:19
SCRIPTION...: HA-5-6'

LABORATORY I.D...: 942323-0014
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

SCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
otroleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
sel	1300	10	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
nic (As)	ND	30.0	mg/kg	EPA 6010		
ium (Cd)	ND	5.00	mg/kg	EPA 6010		
nium (Cr)	ND	5.00	mg/kg	EPA 6010		
(Pb)	ND	5.00	mg/kg	EPA 6010		
lrocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
inated Biphenyls		*5		EPA 8080	09/22/94	CIS
r-1016	ND	165	ug/kg	EPA 8080		
r-1221	ND	165	ug/kg	EPA 8080		
r-1232	ND	165	ug/kg	EPA 8080		
r-1242	ND	165	ug/kg	EPA 8080		
r-1248	ND	165	ug/kg	EPA 8080		
-1254	ND	165	ug/kg	EPA 8080		
-1260	200	165	ug/kg	EPA 8080		
loro-m-xylene (SURROGATE)	77	0	% Recovery	QC LIMITS 40-130		

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LABORATORY TESTS RESULTS

09/23/94

NUMBER: 942323 CUSTOMER: Mitco Oil Co.//Advanced Resources ATTN: Del Parker

MT I.D.....:
SAMPLED.....: 09/20/94
SAMPLED.....: 18:45
DESCRIPTION...: HA-5-9'

LABORATORY I.D...: 942323-0015
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
'igestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
tion Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
'e Organics by GC/MS		*5		EPA 8240	09/22/94	CIS
tone	98	50	ug/kg	EPA 8240		
zene	ND	25	ug/kg	EPA 8240		
nodichloromethane	ND	25	ug/kg	EPA 8240		
noform	ND	25	ug/kg	EPA 8240		
romethane	ND	50	ug/kg	EPA 8240		
itanone	ND	50	ug/kg	EPA 8240		
on disulfide	ND	25	ug/kg	EPA 8240		
on tetrachloride	ND	25	ug/kg	EPA 8240		
robenzene	ND	25	ug/kg	EPA 8240		
-odibromomethane	ND	25	ug/kg	EPA 8240		
-oethane	ND	50	ug/kg	EPA 8240		
oroethylvinyl ether	ND	50	ug/kg	EPA 8240		
'oform	ND	25	ug/kg	EPA 8240		
omethane	ND	50	ug/kg	EPA 8240		
ichloroethane	ND	25	ug/kg	EPA 8240		
ichloroethane	ND	25	ug/kg	EPA 8240		
ichloroethene	ND	25	ug/kg	EPA 8240		
1,2-Dichloroethenes	ND	25	ug/kg	EPA 8240		
chloropropane	ND	25	ug/kg	EPA 8240		
3-Dichloropropene	ND	25	ug/kg	EPA 8240		
1,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
enzene	ND	25	ug/kg	EPA 8240		
ione	ND	50	ug/kg	EPA 8240		
ne Chloride	ND	25	ug/kg	EPA 8240		
-t-2-pentanone	ND	50	ug/kg	EPA 8240		
	ND	25	ug/kg	EPA 8240		
-Tetrachloroethane	ND	25	ug/kg	EPA 8240		
loroethene	ND	25	ug/kg	EPA 8240		
-ichloroethane	ND	25	ug/kg	EPA 8240		
-ichloroethane	ND	25	ug/kg	EPA 8240		
oethene	ND	25	ug/kg	EPA 8240		
	ND	25	ug/kg	EPA 8240		
etate	ND	50	ug/kg	EPA 8240		
loride	ND	50	ug/kg	EPA 8240		
lenes	ND	25	ug/kg	EPA 8240		
roethane (SURROGATE)	95	0	% Recovery	70-121% QC LIMITS		
e (SURROGATE)	100	0	% Recovery	88-110% QC LIMITS		
uorobenzene (SURROGATE)	139(a)	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
09/23/94

NUMBER: 942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

T I.D.....:
SAMPLED.....: 09/20/94
SAMPLED.....: 18:45
DESCRIPTION...: HA-5-9'

LABORATORY I.D...: 942323-0015
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

ESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Petroleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
sol	790	10	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
enic (As)	ND	30.0	mg/kg	EPA 6010		
nium (Cd)	ND	5.00	mg/kg	EPA 6010		
mium (Cr)	5.2	5.00	mg/kg	EPA 6010		
l (Pb)	ND	5.00	mg/kg	EPA 6010		
drocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
inated Biphenyls		*20		EPA 8080	09/22/94	CIS
or-1016	ND	660	ug/kg	EPA 8080		
or-1221	ND	660	ug/kg	EPA 8080		
or-1232	ND	660	ug/kg	EPA 8080		
or-1242	ND	660	ug/kg	EPA 8080		
or-1248	ND	660	ug/kg	EPA 8080		
or-1254	ND	660	ug/kg	EPA 8080		
or-1260	ND	660	ug/kg	EPA 8080		
hloro-m-xylene (SURROGATE)	107	0	% Recovery	QC LIMITS 40-130		

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LABORATORY TESTS RESULTS
09/23/94

NUMBER: 942323 CUSTOMER: DICO OIL CO:F/Advanced Resources ATTN: Del Parker

T I.D.....:
SAMPLED.....: 09/21/94
SAMPLED.....: 09:05
DESCRIPTION...: HA-6-3'

LABORATORY I.D...: 942323-0016
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brasly-soil

DESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Digestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
:ation Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
:ile Organics by GC/MS		*1		EPA 8240	09/22/94	CIS
Acetone	ND	10	ug/kg	EPA 8240		
Benzene	ND	5	ug/kg	EPA 8240		
Bromodichloromethane	ND	5	ug/kg	EPA 8240		
Bromoform	ND	5	ug/kg	EPA 8240		
Bromomethane	ND	10	ug/kg	EPA 8240		
2-Butanone	ND	10	ug/kg	EPA 8240		
Carbon disulfide	ND	5	ug/kg	EPA 8240		
Carbon tetrachloride	ND	5	ug/kg	EPA 8240		
Chlorobenzene	ND	5	ug/kg	EPA 8240		
Chlorodibromomethane	ND	5	ug/kg	EPA 8240		
Chloroethane	ND	10	ug/kg	EPA 8240		
2-Chloroethylvinyl ether	ND	10	ug/kg	EPA 8240		
Chloroform	ND	5	ug/kg	EPA 8240		
Chloromethane	ND	10	ug/kg	EPA 8240		
1,1-Dichloroethane	ND	5	ug/kg	EPA 8240		
1,2-Dichloroethane	ND	5	ug/kg	EPA 8240		
1,1-Dichloroethene	ND	5	ug/kg	EPA 8240		
Total 1,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
1,2-Dichloropropane	ND	5	ug/kg	EPA 8240		
cis-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
trans-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
Ethylbenzene	ND	5	ug/kg	EPA 8240		
2-Hexanone	ND	10	ug/kg	EPA 8240		
Methylene Chloride	ND	5	ug/kg	EPA 8240		
4-Methyl-2-pentanone	ND	10	ug/kg	EPA 8240		
Styrene	ND	5	ug/kg	EPA 8240		
1,1,2,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
Tetrachloroethene	ND	5	ug/kg	EPA 8240		
1,1,1-Trichloroethane	ND	5	ug/kg	EPA 8240		
1,1,2-Trichloroethane	ND	5	ug/kg	EPA 8240		
Trichloroethene	ND	5	ug/kg	EPA 8240		
Toluene	ND	5	ug/kg	EPA 8240		
Vinyl acetate	ND	10	ug/kg	EPA 8240		
Vinyl chloride	ND	10	ug/kg	EPA 8240		
Total Xylenes	ND	5	ug/kg	EPA 8240		
d4-Dichloroethane (SURROGATE)	89	0	% Recovery	70-121% QC LIMITS		
d8-Toluene (SURROGATE)	94	0	% Recovery	88-110% QC LIMITS		
4-Bromofluorobenzene (SURROGATE)	95	0	% Recovery	74-121% QC LIMITS		

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WESTERN ATLAS

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LABORATORY TESTS RESULTS

09/23/94

942323 CUSTOMER: DICO OIL CO.//Advanced Resources ATTN: Dwt Parker

.....:
ED.....: 09/21/94
ED.....: 09:05
IPTION...: HA-6-3'

LABORATORY I.D...: 942323-0016
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

IPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
oleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
	ND	10	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
c (As)	ND	30.0	mg/kg	EPA 6010		
m (Cd)	ND	5.00	mg/kg	EPA 6010		
um (Cr)	ND	5.00	mg/kg	EPA 6010		
Pb)	ND	5.00	mg/kg	EPA 6010		
ocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
nated Biphenyls		*1		EPA 8080	09/22/94	CIS
r-1016	ND	33	ug/kg	EPA 8080		
r-1221	ND	33	ug/kg	EPA 8080		
r-1232	ND	33	ug/kg	EPA 8080		
r-1242	ND	33	ug/kg	EPA 8080		
r-1248	ND	33	ug/kg	EPA 8080		
r-1254	ND	33	ug/kg	EPA 8080		
r-1260	ND	33	ug/kg	EPA 8080		
hloro-m-xylene (SURROGATE)	75	0	% Recovery	QC LIMITS 40-130		

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LABORATORY TESTS RESULTS
09/23/94

942323 CUSTOMER: Diego Oil Co.//Advanced Resources ATTN: Del Parker

.....:
ED.....: 09/21/94
ED.....: 09:21
IPTION...: HA-6-6'

LABORATORY I.D...: 942323-0017
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

IPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
tion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
rganics by GC/MS		*1		EPA 8240	09/22/94	CIS
c	ND	10	ug/kg	EPA 8240		
e	ND	5	ug/kg	EPA 8240		
ichloromethane	ND	5	ug/kg	EPA 8240		
orm	ND	5	ug/kg	EPA 8240		
ethane	ND	10	ug/kg	EPA 8240		
none	ND	10	ug/kg	EPA 8240		
disulfide	ND	5	ug/kg	EPA 8240		
tetrachloride	ND	5	ug/kg	EPA 8240		
benzene	ND	5	ug/kg	EPA 8240		
dibromomethane	ND	5	ug/kg	EPA 8240		
ethane	ND	10	ug/kg	EPA 8240		
roethylvinyl ether	ND	10	ug/kg	EPA 8240		
form	ND	5	ug/kg	EPA 8240		
methane	ND	10	ug/kg	EPA 8240		
chloroethane	ND	5	ug/kg	EPA 8240		
chloroethane	ND	5	ug/kg	EPA 8240		
chloroethene	ND	5	ug/kg	EPA 8240		
1,2-Dichloroethanes	ND	5	ug/kg	EPA 8240		
chloropropane	ND	5	ug/kg	EPA 8240		
3-Dichloropropene	ND	5	ug/kg	EPA 8240		
-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
benzene	ND	5	ug/kg	EPA 8240		
none	ND	10	ug/kg	EPA 8240		
ene Chloride	ND	5	ug/kg	EPA 8240		
yl-2-pentanone	ND	10	ug/kg	EPA 8240		
e	ND	5	ug/kg	EPA 8240		
,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
chloroethene	ND	5	ug/kg	EPA 8240		
-Trichloroethane	ND	5	ug/kg	EPA 8240		
-Trichloroethane	ND	5	ug/kg	EPA 8240		
loroethene	ND	5	ug/kg	EPA 8240		
ne	ND	5	ug/kg	EPA 8240		
acetate	ND	10	ug/kg	EPA 8240		
chloride	ND	10	ug/kg	EPA 8240		
Xylenes	ND	5	ug/kg	EPA 8240		
chloroethane (SURROGATE)	88	0	% Recovery	70-121% QC LIMITS		
luene (SURROGATE)	96	0	% Recovery	88-110% QC LIMITS		
mofluorobenzene (SURROGATE)	100	0	% Recovery	74-121% QC LIMITS		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS
09/23/94

942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

.....:
ED.....: 09/21/94
ED.....: 09:21
IPTION...: HA-6-6'

LABORATORY I.D...: 942323-0017
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

IPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
roleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
	ND	10	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
ic (As)	ND	30.0	mg/kg	EPA 6010		
um (Cd)	ND	5.00	mg/kg	EPA 6010		
ium (Cr)	ND	5.00	mg/kg	EPA 6010		
(Pb)	ND	5.00	mg/kg	EPA 6010		
rocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
inated Biphenyls		*1		EPA 8080	09/22/94	CIS
or-1016	ND	33	ug/kg	EPA 8080		
or-1221	ND	33	ug/kg	EPA 8080		
or-1232	ND	33	ug/kg	EPA 8080		
or-1242	ND	33	ug/kg	EPA 8080		
or-1248	ND	33	ug/kg	EPA 8080		
or-1254	ND	33	ug/kg	EPA 8080		
or-1260	ND	33	ug/kg	EPA 8080		
chloro-m-xylene (SURROGATE)	79	0	% Recovery	QC LIMITS 40-130		

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LABORATORY TESTS RESULTS
09/23/94

942323 CUSTOMER: DIED OIL Co.//Advanced Resources ATTN: DAL PARKER

.....:
.....: 09/21/94
.....: 09:39
TION...: HA-6-9'

LABORATORY I.D...: 942323-0018
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssiv-soil

TION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
on for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
xtraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/22/94	DC
anics by GC/MS		*1		EPA 8240	09/22/94	CIS
	ND	10	ug/kg	EPA 8240		
	ND	5	ug/kg	EPA 8240		
hloromethane	ND	5	ug/kg	EPA 8240		
m	ND	5	ug/kg	EPA 8240		
hane	ND	10	ug/kg	EPA 8240		
ne	ND	10	ug/kg	EPA 8240		
isulfide	ND	5	ug/kg	EPA 8240		
etrachloride	ND	5	ug/kg	EPA 8240		
nzene	ND	5	ug/kg	EPA 8240		
bromomethane	ND	5	ug/kg	EPA 8240		
hane	ND	10	ug/kg	EPA 8240		
ethylvinyl ether	ND	10	ug/kg	EPA 8240		
rm	ND	5	ug/kg	EPA 8240		
thane	ND	10	ug/kg	EPA 8240		
loroethane	ND	5	ug/kg	EPA 8240		
loroethane	ND	5	ug/kg	EPA 8240		
loroethene	ND	5	ug/kg	EPA 8240		
2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
loropropane	ND	5	ug/kg	EPA 8240		
Dichloropropene	ND	5	ug/kg	EPA 8240		
3-Dichloropropene	ND	5	ug/kg	EPA 8240		
zene	ND	5	ug/kg	EPA 8240		
ne	ND	10	ug/kg	EPA 8240		
e Chloride	ND	5	ug/kg	EPA 8240		
-2-pentanone	ND	10	ug/kg	EPA 8240		
	ND	5	ug/kg	EPA 8240		
Tetrachloroethane	ND	5	ug/kg	EPA 8240		
oroethene	ND	5	ug/kg	EPA 8240		
ichloroethane	ND	5	ug/kg	EPA 8240		
ichloroethane	ND	5	ug/kg	EPA 8240		
oethene	ND	5	ug/kg	EPA 8240		
	ND	5	ug/kg	EPA 8240		
etate	ND	10	ug/kg	EPA 8240		
loride	ND	10	ug/kg	EPA 8240		
ylenes	ND	5	ug/kg	EPA 8240		
loroethane (SURROGATE)	94	0	% Recovery	70-121% QC LIMITS		
ene (SURROGATE)	100	0	% Recovery	88-110% QC LIMITS		
fluorobenzene (SURROGATE)	105	0	% Recovery	74-121% QC LIMITS		

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rat, property, well or sand in connection with which such report is used or relied upon for any reason whatsoever. This report shall not be reproduced except in its entirety, without the written approval of Core Laboratories.

WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS
09/23/94

942323 CUSTOMER: DICO:DTC Co.//Advanced Resources ATTN: Del Parker

.....:
ED.....: 09/21/94
ED.....: 09:39
IPTION...: HA-6-9'

LABORATORY I.D...: 942323-0018
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

IPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
oleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
	ND	10	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
c (As)	ND	30.0	mg/kg	EPA 6010		
m (Cd)	ND	5.00	mg/kg	EPA 6010		
um (Cr)	ND	5.00	mg/kg	EPA 6010		
Pb)	ND	5.00	mg/kg	EPA 6010		
ocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
nated Biphenyls		*1		EPA 8080	09/22/94	CIS
r-1016	ND	33	ug/kg	EPA 8080		
--1221	ND	33	ug/kg	EPA 8080		
--1232	ND	33	ug/kg	EPA 8080		
--1242	ND	33	ug/kg	EPA 8080		
--1248	ND	33	ug/kg	EPA 8080		
--1254	ND	33	ug/kg	EPA 8080		
--1260	ND	33	ug/kg	EPA 8080		
loro-m-xylene (SURROGATE)	76	0	% Recovery	QC LIMITS 40-130		

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WESTERN ATLAS

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LABORATORY TESTS RESULTS
09/23/94

UMBER: 942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

T I.D.....:
SAMPLED.....: 09/21/94
SAMPLED.....: 10:16
DESCRIPTION...: HA-7-3'

LABORATORY I.D...: 942323-0019
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

DESCRIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
Digestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
ation Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/23/94	DC
ile Organics by GC/MS		*1		EPA 8240	09/22/94	CIS
:etone	ND	10	ug/kg	EPA 8240		
nzene	ND	5	ug/kg	EPA 8240		
omodichloromethane	ND	5	ug/kg	EPA 8240		
omoform	ND	5	ug/kg	EPA 8240		
omomethane	ND	10	ug/kg	EPA 8240		
Butanone	ND	10	ug/kg	EPA 8240		
rbon disulfide	ND	5	ug/kg	EPA 8240		
rbon tetrachloride	ND	5	ug/kg	EPA 8240		
lorobenzene	ND	5	ug/kg	EPA 8240		
lorodibromomethane	ND	5	ug/kg	EPA 8240		
loroethane	ND	10	ug/kg	EPA 8240		
Chloroethylvinyl ether	ND	10	ug/kg	EPA 8240		
loroform	ND	5	ug/kg	EPA 8240		
loromethane	ND	10	ug/kg	EPA 8240		
1-Dichloroethane	ND	5	ug/kg	EPA 8240		
2-Dichloroethane	ND	5	ug/kg	EPA 8240		
1-Dichloroethene	ND	5	ug/kg	EPA 8240		
tal 1,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
2-Dichloropropane	ND	5	ug/kg	EPA 8240		
s-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
ans-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
hylbenzene	ND	5	ug/kg	EPA 8240		
lexanone	ND	10	ug/kg	EPA 8240		
thylene Chloride	ND	5	ug/kg	EPA 8240		
Methyl-2-pentanone	ND	10	ug/kg	EPA 8240		
yrene	ND	5	ug/kg	EPA 8240		
1,2,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
trachloroethene	ND	5	ug/kg	EPA 8240		
1,1-Trichloroethane	ND	5	ug/kg	EPA 8240		
1,2-Trichloroethane	ND	5	ug/kg	EPA 8240		
ichloroethene	ND	5	ug/kg	EPA 8240		
uene	ND	5	ug/kg	EPA 8240		
yl acetate	ND	10	ug/kg	EPA 8240		
yl chloride	ND	10	ug/kg	EPA 8240		
tal Xylenes	ND	5	ug/kg	EPA 8240		
Dichloroethane (SURROGATE)	98	0	% Recovery	70-121% QC LIMITS		
Toluene (SURROGATE)	96	0	% Recovery	88-110% QC LIMITS		
romofluorobenzene (SURROGATE)	106	0	% Recovery	74-121% QC LIMITS		

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WESTERN ATLAS

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LABORATORY TESTS RESULTS

09/23/94

942323 CUSTOMER: DICO OIL CO./Advanced Resources ATTN: Del Parker

.....:
ED.....: 09/21/94
ED.....: 10:16
IPTION...: HA-7-3'

LABORATORY I.D...: 942323-0019
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

IPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
oleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
	ND	10	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
c (As)	ND	30.0	mg/kg	EPA 6010		
m (Cd)	ND	5.00	mg/kg	EPA 6010		
um (Cr)	7.5	5.00	mg/kg	EPA 6010		
Pb)	ND	5.00	mg/kg	EPA 6010		
ocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
nated Biphenyls		*1		EPA 8080	09/22/94	CIS
r-1016	ND	33	ug/kg	EPA 8080		
r-1221	ND	33	ug/kg	EPA 8080		
r-1232	ND	33	ug/kg	EPA 8080		
r-1242	ND	33	ug/kg	EPA 8080		
r-1248	ND	33	ug/kg	EPA 8080		
r-1254	ND	33	ug/kg	EPA 8080		
r-1260	ND	33	ug/kg	EPA 8080		
hloro-m-xylene (SURROGATE)	79	0	% Recovery	QC LIMITS 40-130		

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ineral, property, well or sand in connection with which such report is used or relied upon for any reason whatsoever. This report shall not be reproduced except in its entirety, without the written approval of Core Laboratories.

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LABORATORY TESTS RESULTS
09/23/94

MBER: 942323 CUSTOMER: DICO Oil Co.//Advanced Resources ATTN: Del Parker

I.D.....:
AMPLED.....: 09/21/94
AMPLED.....: 10:48
ESCRIPTION...: HA-7-6'

LABORATORY I.D...: 942323-0020
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

ESCRIPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
igestion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
tion Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/23/94	DC
le Organics by GC/MS		*1		EPA 8240	09/22/94	CIS
etone	ND	10	ug/kg	EPA 8240		
nzene	ND	5	ug/kg	EPA 8240		
omodichloromethane	ND	5	ug/kg	EPA 8240		
omoform	ND	5	ug/kg	EPA 8240		
omomethane	ND	10	ug/kg	EPA 8240		
Butanone	ND	10	ug/kg	EPA 8240		
rbon disulfide	ND	5	ug/kg	EPA 8240		
rbon tetrachloride	ND	5	ug/kg	EPA 8240		
lorobenzene	ND	5	ug/kg	EPA 8240		
lorodibromomethane	ND	5	ug/kg	EPA 8240		
loroethane	ND	10	ug/kg	EPA 8240		
Chloroethylvinyl ether	ND	10	ug/kg	EPA 8240		
loroform	ND	5	ug/kg	EPA 8240		
loromethane	ND	10	ug/kg	EPA 8240		
1-Dichloroethane	ND	5	ug/kg	EPA 8240		
2-Dichloroethane	ND	5	ug/kg	EPA 8240		
1-Dichloroethene	ND	5	ug/kg	EPA 8240		
tal 1,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
2-Dichloropropane	ND	5	ug/kg	EPA 8240		
s-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
ans-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
hylbenzene	ND	5	ug/kg	EPA 8240		
Hexanone	ND	10	ug/kg	EPA 8240		
thylene Chloride	ND	5	ug/kg	EPA 8240		
Methyl-2-pentanone	ND	10	ug/kg	EPA 8240		
yrene	ND	5	ug/kg	EPA 8240		
,1,2,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
trachloroethene	ND	5	ug/kg	EPA 8240		
,1,1-Trichloroethane	ND	5	ug/kg	EPA 8240		
,1,2-Trichloroethane	ND	5	ug/kg	EPA 8240		
ichloroethene	ND	5	ug/kg	EPA 8240		
luene	ND	5	ug/kg	EPA 8240		
inyl acetate	ND	10	ug/kg	EPA 8240		
inyl chloride	ND	10	ug/kg	EPA 8240		
tal Xylenes	ND	5	ug/kg	EPA 8240		
4-Dichloroethane (SURROGATE)	94	0	% Recovery	70-121% QC LIMITS		
3-Toluene (SURROGATE)	94	0	% Recovery	88-110% QC LIMITS		
-Bromofluorobenzene (SURROGATE)	108	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS
09/23/94

942323 CUSTOMER: DICO OIL CO.//Advanced Resources ATTN: Del Parker

.....:
D.....: 09/21/94
D.....: 10:48
PTION...: HA-7-6'

LABORATORY I.D...: 942323-0020
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

PTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
ileum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
	ND	10	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
: (As)	ND	30.0	mg/kg	EPA 6010		
n (Cd)	ND	5.00	mg/kg	EPA 6010		
um (Cr)	ND	5.00	mg/kg	EPA 6010		
Pb)	ND	5.00	mg/kg	EPA 6010		
ocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
nated Biphenyls		*1		EPA 8080	09/22/94	CIS
r-1016	ND	33	ug/kg	EPA 8080		
r-1221	ND	33	ug/kg	EPA 8080		
r-1232	ND	33	ug/kg	EPA 8080		
r-1242	ND	33	ug/kg	EPA 8080		
r-1248	ND	33	ug/kg	EPA 8080		
r-1254	ND	33	ug/kg	EPA 8080		
r-1260	ND	33	ug/kg	EPA 8080		
hloro-m-xylene (SURROGATE)	78	0	% Recovery	QC LIMITS 40-130		

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LABORATORY TESTS RESULTS
09/23/94

942323 CUSTOMER: DECO OIL Co.//Advanced Resources ATTN: Del Parker

.....:
ED.....: 09/21/94
ED.....: :
IPTION...: HA-7-9'

LABORATORY I.D...: 942323-0021
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

OPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
tion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/23/94	DC
rganics by GC/MS		*1		EPA 8240	09/22/94	CIS
e	ND	10	ug/kg	EPA 8240		
e	ND	5	ug/kg	EPA 8240		
lichloromethane	ND	5	ug/kg	EPA 8240		
orm	ND	5	ug/kg	EPA 8240		
ethane	ND	10	ug/kg	EPA 8240		
none	ND	10	ug/kg	EPA 8240		
disulfide	ND	5	ug/kg	EPA 8240		
tetrachloride	ND	5	ug/kg	EPA 8240		
benzene	ND	5	ug/kg	EPA 8240		
dibromomethane	ND	5	ug/kg	EPA 8240		
ethane	ND	10	ug/kg	EPA 8240		
roethylvinyl ether	ND	10	ug/kg	EPA 8240		
form	ND	5	ug/kg	EPA 8240		
omethane	ND	10	ug/kg	EPA 8240		
lchloroethane	ND	5	ug/kg	EPA 8240		
ichloroethane	ND	5	ug/kg	EPA 8240		
ichloroethene	ND	5	ug/kg	EPA 8240		
1,2-Dichloroethenes	ND	5	ug/kg	EPA 8240		
ichloropropane	ND	5	ug/kg	EPA 8240		
,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
-1,3-Dichloropropene	ND	5	ug/kg	EPA 8240		
benzene	ND	5	ug/kg	EPA 8240		
anone	ND	10	ug/kg	EPA 8240		
lene Chloride	ND	5	ug/kg	EPA 8240		
hyl-2-pentanone	ND	10	ug/kg	EPA 8240		
ne	ND	5	ug/kg	EPA 8240		
,2-Tetrachloroethane	ND	5	ug/kg	EPA 8240		
chloroethene	ND	5	ug/kg	EPA 8240		
-Trichloroethane	ND	5	ug/kg	EPA 8240		
-Trichloroethane	ND	5	ug/kg	EPA 8240		
loroethene	ND	5	ug/kg	EPA 8240		
ne	ND	5	ug/kg	EPA 8240		
acetate	ND	10	ug/kg	EPA 8240		
chloride	ND	10	ug/kg	EPA 8240		
xylenes	ND	5	ug/kg	EPA 8240		
chloroethane (SURROGATE)	92	0	% Recovery	70-121% QC LIMITS		
luene (SURROGATE)	100	0	% Recovery	88-110% QC LIMITS		
mofluorobenzene (SURROGATE)	102	0	% Recovery	74-121% QC LIMITS		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS
09/23/94

942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

.....:
ED.....: 09/21/94
ED.....: :
IPTION...: HA-7-9'

LABORATORY I.D....: 942323-0021
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brasiv-soil

IPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
olcum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
	ND	10	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
c (As)	ND	30.0	mg/kg	EPA 6010		
m (Cd)	ND	5.00	mg/kg	EPA 6010		
um (Cr)	ND	5.00	mg/kg	EPA 6010		
Pb)	ND	5.00	mg/kg	EPA 6010		
ocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
nated Biphenyls		*1		EPA 8080	09/22/94	CIS
r-1016	ND	33	ug/kg	EPA 8080		
r-1221	ND	33	ug/kg	EPA 8080		
r-1232	ND	33	ug/kg	EPA 8080		
r-1242	ND	33	ug/kg	EPA 8080		
r-1248	ND	33	ug/kg	EPA 8080		
r-1254	ND	33	ug/kg	EPA 8080		
r-1260	ND	33	ug/kg	EPA 8080		
hloro-m-xylene (SURROGATE)	79	0	% Recovery	QC LIMITS 40-130		

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WESTERN ATLAS

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LABORATORY TESTS RESULTS
09/23/94

942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

.....:
).....: 09/21/94
).....: :
'TION...: HA-8-3'

LABORATORY I.D...: 942323-0022
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

ATION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
ion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/23/94	DC
ganics by GC/MS		*5		EPA 8240	09/22/94	GIS
)	ND	50	ug/kg	EPA 8240		
;	ND	25	ug/kg	EPA 8240		
ichloromethane	ND	25	ug/kg	EPA 8240		
orm	ND	25	ug/kg	EPA 8240		
ethane	ND	50	ug/kg	EPA 8240		
one	ND	50	ug/kg	EPA 8240		
disulfide	ND	25	ug/kg	EPA 8240		
tetrachloride	ND	25	ug/kg	EPA 8240		
benzene	ND	25	ug/kg	EPA 8240		
dibromomethane	ND	25	ug/kg	EPA 8240		
ethane	ND	50	ug/kg	EPA 8240		
roethylvinyl ether	ND	50	ug/kg	EPA 8240		
form	ND	25	ug/kg	EPA 8240		
methane	ND	50	ug/kg	EPA 8240		
chloroethane	ND	25	ug/kg	EPA 8240		
chloroethane	ND	25	ug/kg	EPA 8240		
chloroethene	ND	25	ug/kg	EPA 8240		
1,2-Dichloroethenes	ND	25	ug/kg	EPA 8240		
ichloropropane	ND	25	ug/kg	EPA 8240		
,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
-1,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
ocnzene	ND	25	ug/kg	EPA 8240		
anone	ND	50	ug/kg	EPA 8240		
lene Chloride	ND	25	ug/kg	EPA 8240		
hyl-2-pentanone	ND	50	ug/kg	EPA 8240		
ne	ND	25	ug/kg	EPA 8240		
,2-Tetrachloroethane	ND	25	ug/kg	EPA 8240		
chloroethene	190	25	ug/kg	EPA 8240		
-Trichloroethane	ND	25	ug/kg	EPA 8240		
!-Trichloroethane	ND	25	ug/kg	EPA 8240		
loroethene	ND	25	ug/kg	EPA 8240		
me	230	25	ug/kg	EPA 8240		
. acetate	ND	50	ug/kg	EPA 8240		
chloride	ND	50	ug/kg	EPA 8240		
Xylenes	1100	25	ug/kg	EPA 8240		
ichloroethane (SURROGATE)	91	0	% Recovery	70-121% QC LIMITS		
oluene (SURROGATE)	116(a)	0	% Recovery	88-110% QC LIMITS		
omofluorobenzene (SURROGATE)	225(a)	0	% Recovery	74-121% QC LIMITS		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS

09/23/94

942323 CUSTOMER: DICO Oil Co./Advanced Resources ATTN: Del Parker

.....:
ED.....: 09/21/94
ED.....: :
IPTION...: HA-8-3'

LABORATORY I.D...: 942323-0022
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brasiv-soil

IPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
oleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
	ND	500	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
c (As)	ND	30.0	mg/kg	EPA 6010		
m (Cd)	ND	5.00	mg/kg	EPA 6010		
um (Cr)	ND	5.00	mg/kg	EPA 6010		
Pb)	ND	5.00	mg/kg	EPA 6010		
'ocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
.nated Biphenyls		*20		EPA 8080	09/22/94	CIS
or-1016	ND	660	ug/kg	EPA 8080		
or-1221	ND	660	ug/kg	EPA 8080		
or-1232	ND	660	ug/kg	EPA 8080		
or-1242	ND	660	ug/kg	EPA 8080		
or-1248	ND	660	ug/kg	EPA 8080		
or-1254	ND	660	ug/kg	EPA 8080		
or-1260	4500	660	ug/kg	EPA 8080		
chloro-m-xylene (SURROGATE)	94	0	% Recovery	QC LIMITS 40-130		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS
09/23/94

942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

.....:
ED.....: 09/21/94
ED.....: :
IPTION...: HA-8-6'

LABORATORY I.D...: 942323-0023
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brsslv-soil

IPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
tion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/23/94	DC
rganics by GC/MS		*5		EPA 8240	09/22/94	CIS
ie	ND	50	ug/kg	EPA 8240		
ie	ND	25	ug/kg	EPA 8240		
lichloromethane	ND	25	ug/kg	EPA 8240		
'orm	ND	25	ug/kg	EPA 8240		
ethane	ND	50	ug/kg	EPA 8240		
anone	ND	50	ug/kg	EPA 8240		
disulfide	ND	25	ug/kg	EPA 8240		
tetrachloride	ND	25	ug/kg	EPA 8240		
benzene	ND	25	ug/kg	EPA 8240		
dibromomethane	ND	25	ug/kg	EPA 8240		
ethane	ND	50	ug/kg	EPA 8240		
roethylvinyl ether	ND	50	ug/kg	EPA 8240		
form	ND	25	ug/kg	EPA 8240		
omethane	ND	50	ug/kg	EPA 8240		
ichloroethane	ND	25	ug/kg	EPA 8240		
ichloroethane	ND	25	ug/kg	EPA 8240		
ichloroethene	ND	25	ug/kg	EPA 8240		
1,2-Dichloroethenes	ND	25	ug/kg	EPA 8240		
ichloropropane	ND	25	ug/kg	EPA 8240		
,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
-1,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
benzene	ND	25	ug/kg	EPA 8240		
anone	ND	50	ug/kg	EPA 8240		
lene Chloride	ND	25	ug/kg	EPA 8240		
hyl-2-pentanone	ND	50	ug/kg	EPA 8240		
ne	ND	25	ug/kg	EPA 8240		
,2-Tetrachloroethane	ND	25	ug/kg	EPA 8240		
chloroethene	ND	25	ug/kg	EPA 8240		
-Trichloroethane	ND	25	ug/kg	EPA 8240		
-Trichloroethane	ND	25	ug/kg	EPA 8240		
loroethene	ND	25	ug/kg	EPA 8240		
ne	ND	25	ug/kg	EPA 8240		
. acetate	ND	50	ug/kg	EPA 8240		
. chloride	ND	50	ug/kg	EPA 8240		
. Xylenes	150	25	ug/kg	EPA 8240		
ichloroethane (SURROGATE)	92	0	% Recovery	70-121% QC LIMITS		
luene (SURROGATE)	105	0	% Recovery	88-110% QC LIMITS		
omofluorobenzene (SURROGATE)	138(a)	0	% Recovery	74-121% QC LIMITS		

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WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS
09/26/94

942323 CUSTOMER: OTCO OIL Co.//Advanced Resources ATTN: Del Parker

.....:
D.....: 09/21/94
D.....: :
PTION...: HA-8-6'

LABORATORY I.D...: 942323-0023
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

PTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
leum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
	1800	10	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
: (As)	ND	30.0	mg/kg	EPA 6010		
n (Cd)	ND	5.00	mg/kg	EPA 6010		
um (Cr)	5.4	5.00	mg/kg	EPA 6010		
b)	ND	5.00	mg/kg	EPA 6010		
ocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
nated Biphenyls		*5		EPA 8080	09/22/94	CIS
r-1016	ND	165	ug/kg	EPA 8080		
r-1221	ND	165	ug/kg	EPA 8080		
r-1232	ND	165	ug/kg	EPA 8080		
r-1242	ND	165	ug/kg	EPA 8080		
r-1248	ND	165	ug/kg	EPA 8080		
r-1254	ND	165	ug/kg	EPA 8080		
r-1260	410	165	ug/kg	EPA 8080		
hloro-m-xylene (SURROGATE)	74	0	% Recovery	QC LIMITS 40-130		

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mineral, property, well or sand in connection with which such report is used or relied upon for any reason whatsoever. This report shall not be reproduced except in its entirety, without the written approval of Core Laboratories.

WESTERN ATLAS

Core Laboratories

LABORATORY TESTS RESULTS

09/23/94

R: 942323 CUSTOMER: DICO OIL Co.//Advanced Resources ATTN: Del Parker

D.....:
LED.....: 09/21/94
LED.....: :
RIPTION...: HA-8-9'

LABORATORY I.D....: 942323-0024
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

RIPTION	FINAL RESULT	LIMITS/*DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
stion for ICP	COMPLETED	-----	N/A	EPA 3050	09/21/94	EAW
Extraction for PCBs	COMPLETED	-----	N/A	EPA 3550	09/23/94	DC
Organics by GC/MS		*5		EPA 8240	09/22/94	CIS
ne	95	50	ug/kg	EPA 8240		
ne	ND	25	ug/kg	EPA 8240		
dichloromethane	ND	25	ug/kg	EPA 8240		
form	ND	25	ug/kg	EPA 8240		
ethane	ND	50	ug/kg	EPA 8240		
hone	ND	50	ug/kg	EPA 8240		
disulfide	ND	25	ug/kg	EPA 8240		
tetrachloride	ND	25	ug/kg	EPA 8240		
benzene	ND	25	ug/kg	EPA 8240		
odibromomethane	ND	25	ug/kg	EPA 8240		
ethane	ND	50	ug/kg	EPA 8240		
roethylvinyl ether	ND	50	ug/kg	EPA 8240		
form	ND	25	ug/kg	EPA 8240		
methane	ND	50	ug/kg	EPA 8240		
ichloroethane	ND	25	ug/kg	EPA 8240		
ichloroethane	ND	25	ug/kg	EPA 8240		
ichloroethene	ND	25	ug/kg	EPA 8240		
1,2-Dichloroethenes	ND	25	ug/kg	EPA 8240		
ichloropropane	ND	25	ug/kg	EPA 8240		
3-Dichloropropene	ND	25	ug/kg	EPA 8240		
1,3-Dichloropropene	ND	25	ug/kg	EPA 8240		
enzene	ND	25	ug/kg	EPA 8240		
hone	ND	50	ug/kg	EPA 8240		
ene Chloride	ND	25	ug/kg	EPA 8240		
yl-2-pentanone	ND	50	ug/kg	EPA 8240		
ne	ND	25	ug/kg	EPA 8240		
2-Tetrachloroethane	ND	25	ug/kg	EPA 8240		
chloroethene	ND	25	ug/kg	EPA 8240		
Trichloroethane	ND	25	ug/kg	EPA 8240		
Trichloroethane	ND	25	ug/kg	EPA 8240		
oroethene	ND	25	ug/kg	EPA 8240		
ne	ND	25	ug/kg	EPA 8240		
acetate	ND	50	ug/kg	EPA 8240		
chloride	ND	50	ug/kg	EPA 8240		
Xylenes	67	25	ug/kg	EPA 8240		
chloroethane (SURROGATE)	89	0	% Recovery	70-121% QC LIMITS		
uene (SURROGATE)	106	0	% Recovery	88-110% QC LIMITS		
ofluorobenzene (SURROGATE)	170(a)	0	% Recovery	74-121% QC LIMITS		

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LABORATORY TESTS RESULTS

09/23/94

:: 942323 CUSTOMER: Dico-Dri Co:/Advanced Resources ATTN: Del Parker

).....:
.ED.....: 09/21/94
.ED.....: :
IPTION...: HA-8-9'

LABORATORY I.D...: 942323-0024
DATE RECEIVED....: 09/21/94
TIME RECEIVED....: 12:35
REMARKS.....: 1 brssly-soil

IPTION	FINAL RESULT	LIMITS/DILUTION	UNITS OF MEASURE	TEST METHOD	DATE	TECHN
oleum Hydrocarbons		*1		EPA 8015 (modified)	09/22/94	RVJ
	ND	50	mg/kg	EPA 8015 (modified)		
		*100		EPA 6010	09/22/94	VB
c (As)	ND	30.0	mg/kg	EPA 6010		
m (Cd)	ND	5.00	mg/kg	EPA 6010		
um (Cr)	ND	5.00	mg/kg	EPA 6010		
Pb)	ND	5.00	mg/kg	EPA 6010		
ocarbons Extraction	COMPLETED	-----	N/A	Cal. DHS Method	09/22/94	RW
nated Biphenyls		*20		EPA 8080	09/22/94	CIS
r-1016	ND	660	ug/kg	EPA 8080		
-1221	ND	660	ug/kg	EPA 8080		
-1232	ND	660	ug/kg	EPA 8080		
-1242	ND	660	ug/kg	EPA 8080		
-1248	ND	660	ug/kg	EPA 8080		
-1254	ND	660	ug/kg	EPA 8080		
-1260	2600	660	ug/kg	EPA 8080		
lloro-m-xylene (SURROGATE)	83	0	% Recovery	QC LIMITS 40-130		

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CUSTOMER INFORMATION	PROJECT INFORMATION
COMPANY Dico Oil	PROJECT NAME/NUMBER
SEND REPORT TO	**BILLING INFORMATION**
ADDRESS	BILL TO
	ADDRESS
PHONE	PHONE
FAX	FAX PO NO

LAB JOB NO.

SAMPLE NO	SAMPLE ID	SAMPLE DATE	SAMPLE TIME	SAMPLE MATRIX	CONTAINER TYPE	PRES	NUMBER OF CONTAINERS	8240	8015	PCB's	Cadmium	Chromium	Lead	Arsenic	REMARKS / PRECAUTIONS
	HA-1-3'	9/20/94	1235	SOIL	2x6 SLEEVE	None	1	X	X	X	X	X	X	X	
	HA-1-6'		1300				1	X	X	X	X	X	X	X	
	HA-1-9'		1330				1	X	X	X	X	X	X	X	
	HA-2-3'		1405				1	X	X	X	X	X	X	X	
	HA-2-6'		1434				1	X	X	X	X	X	X	X	
	HA-2-9'		1446				1	X	X	X	X	X	X	X	
	HA-3-3'		1519				1	X	X	X	X	X	X	X	
	HA-3-6'		1530				1	X	X	X	X	X	X	X	
	HA-3-9'		1551				1	X	X	X	X	X	X	X	
	HA-4-3'		1613				1	X	X	X	X	X	X	X	

SAMPLER M Bollinger / Geological Research

SHIPMENT METHOD

AIRBILL NO

REQUIRED TURNAROUND* ☐ SAME DAY ☐ 24 HOURS ☐ 48 HOURS ☐ 72 HOURS ☐ 5 DAYS ☐ 10 DAYS ☐ ROUTINE OTHER

1 RELINQUISHED BY	DATE	2 RELINQUISHED BY	DATE	3 RELINQUISHED BY	DATE
SIGNATURE M. Bollinger		SIGNATURE		SIGNATURE	
PRINTED NAME/COMPANY M Bollinger / Geological Research	TIME	PRINTED NAME/COMPANY	TIME	PRINTED NAME/COMPANY	TIME
1 RECEIVED BY	DATE	2 RECEIVED BY	DATE	3 RECEIVED BY	DATE
SIGNATURE	9/21/94	SIGNATURE		SIGNATURE	
PRINTED NAME/COMPANY	TIME	PRINTED NAME/COMPANY	TIME	PRINTED NAME/COMPANY	TIME

* RUSH TURNAROUND MAY REQUIRE SURCHARGE

☐ **Anaheim California**
1250 E Gene Autry Way
Anaheim California 92805
(714) 937 1094
(800) 404 2673

☐ **Long Beach, California**
3700 Cherry Avenue
Long Beach California 90807
(310) 595 8401
(800) 814 3433

☐ **Denver (Aurora), Colorado**
10703 E Bethany Drive
Aurora, Colorado 80014
(303) 751 1780
(800) 972 2673

☐ **Casper, Wyoming**
420 West 1st Street
Casper Wyoming 82601
(307) 235 5741
(800) 666 0306

☐ **Houston Texas**
8210 Mosely Road
Houston, Texas 77075
(713) 943 9776
(800) 734 2673

☐ **Corpus Christi Texas**
1733 North Padre Island Drive
Corpus Christi Texas 78408
(512) 289 2673
(800) 548 8228

☐ **Lake Charles Louisiana**
3645 Beglis Parkway
Sulphur Louisiana 70663
(318) 583 4926
(800) 259 4926

CLIENT COPY

Environmental
Civil
Sanitary
Structural

2601 Airport Drive, Suite 310
Torrance, California 90505
Telephone: (310) 539-1161
Facsimile: (310) 325-0271

Jack K. Bryant ENGINEERS

a division of Bryant • Palmer • Soto, Inc.

DTSC - REGION 3
RECEIVED

OCT 11 1994

FMB - PERMITTING

October 5, 1994

Allan Plaza
Unit Chief
Department of Toxic Substances Control
1011 North Grandview Avenue
Glendale, CA 91201

RE: Environmental Site Assessment and Soil Analysis Report for DICO Oil Company in Signal Hill, CA.

Dear Mr. Plaza:

Transmitted herewith for your review is the Environmental Site Assessment and Soil Analysis Report for DICO Oil Company in Signal Hill, California. The report has been prepared pursuant to the Department's letter of September 8, 1994.

Please feel free to call with any questions or comments that you may have.

Sincerely,

JACK K. BRYANT ENGINEERS
a division of Bryant • Palmer • Soto, Inc.

Jack K. Bryant /RS

Jack K. Bryant, PE, REA
Principal

cc: Jim Ennis / Del Parker
DICO / Advanced Environmental
2898 Gundry Avenue
Signal Hill, CA 90806

James B. Riordin
Law Offices of R. Moneymaker
700 South Flower Street, Ste. 2102
Los Angeles, CA 90017